

PARTS CATALOG

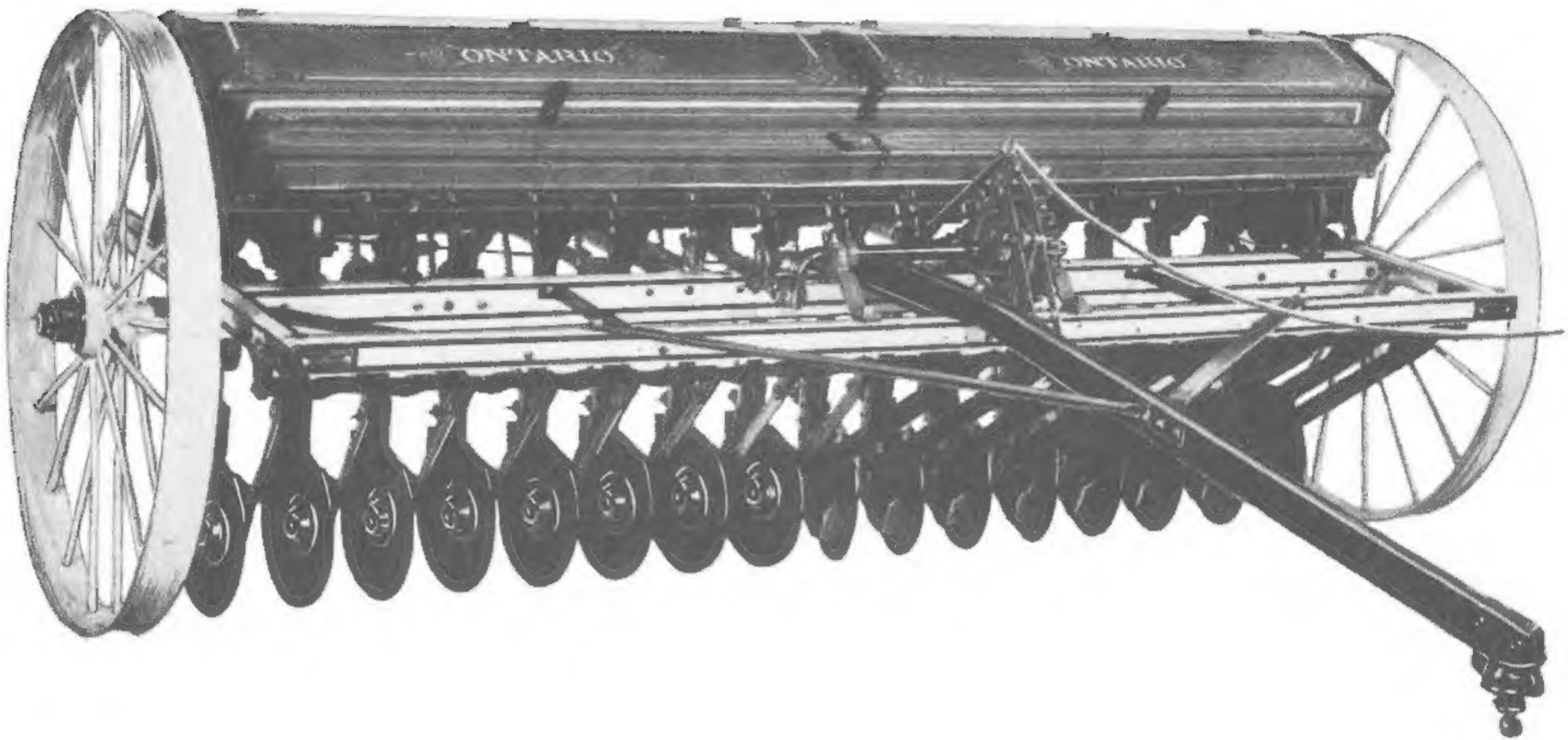


ONTARIO DRILLS

ONTARIO DRILL COMPANY

EAST ROCHESTER, NEW YORK

PARTS CATALOG



ONTARIO DRILLS

April 1, 1950

ONTARIO DRILL COMPANY

EAST ROCHESTER, NEW YORK, U. S. A.

REPAIR PARTS

Repair parts, or correct replacements, are available for all machines built by ONTARIO DRILL CO. since 1900.

REPAIR SERVICE ON ONTARIO DRILLS IS THE BEST IN THE BUSINESS.

Always give the SIZE, TYPE, and approximate AGE of drill. SIZE means number of tubes and distance apart; for example, 13x7 means thirteen tubes, seven inches apart. By TYPE we mean whether it is a HOE drill (with chain lift or rear pressure), or DISC drill (Single or Double Disc). Also state whether it is TRACTOR or HORSE-DRAWN, and give number of wheel hub cap.

HOW TO ORDER FROM THIS LIST

(The terms "Right" or "Left" are used as when observer is standing behind the drill.)

(In this list (nn) following the description of the casting signifies no number may be found on the casting itself)

If possible, identify the part wanted on one of the cuts. In the text describing the part selected you will find listed the older numbers for the same relative part. Order by the original number if you are sure of it; if a replacement or substitution is necessary, we will send the proper parts.

All numbered castings will be found in the Index, Pages 40, 41 and 42, and will be found in text accompanying cuts, with the exception of a few parts prior to 1904, and obsolete export style parts.

ORDER FROM YOUR LOCAL DEALER whenever possible. If he is an ONTARIO dealer, he may have what you need in his stock. All repairs will be shipped C.O.D., except to our regular dealers.

ONTARIO DRILL COMPANY

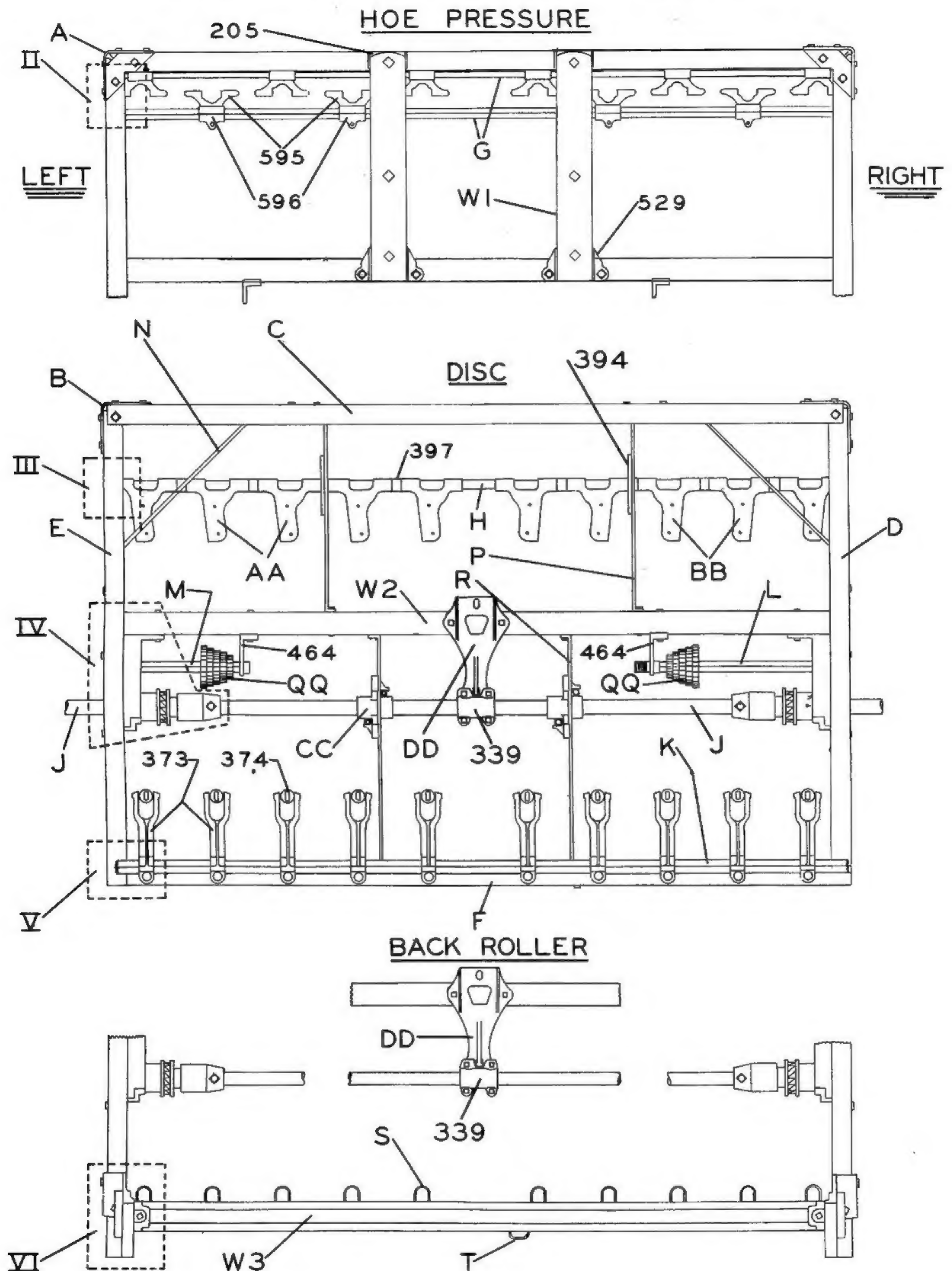
EAST ROCHESTER, NEW YORK, U. S. A.

REPAIR PARTS LIST

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FRAMES, with AXLES and SHAFTS



- II Detail of Hoe Shifter Bar Assembly shown on page 3.
- III Detail of Disc Drawhead Bar Assembly shown on page 4.

- IV Detail of Axle Boxes, Gearing and Clutches shown on pages 5 and 7.
- V Detail of Lifting Shaft Assembly shown on page 9.

FRAMES, with AXLES and SHAFTS

VI Detail of Back Roller Assembly shown on page 11.

Castings

205	Pole Block on Frame Front.....	1901
339	Cap for Center Box 590 or 439 (see DD on this page).	1903
373	Rock Arm, Malleable.	1903
374	Cap for Spring, in Rock Arm.	1903
394	Hanger for Disc Drawhead Bar, Center.	1903
397	Spacing Spool 1 inch on Disc Drawhead Bar (½-inch Spacing Spool 398, see page 4). (nn).....	1903
464	Support for Countershaft, right or left.	1904
529	Pole Seat on Bed Rail.....	1909
	Replaces 206, 1901 to 1907	
	Replaces 520, 1907 to 1945	
595	Lug for Hoe Leader on Shifter Bar, Malleable.	1910
596	Cap for 595, Malleable.	1910
AA	Drawbar Heads, Left	
	383 Head for Single Disc Drawbar, Left hand.	1903
	503 Head for Double Disc Drawbar, Left hand.	1907
BB	Drawbar Heads, Right	
	382 Head for Single Disc Drawbar, Right hand.	1903
	502 Head for Double Disc Drawbar, Right hand.	1907
CC	Center box 1948 to date	
	858 Center Box, 1½ inch Axle....	1948
	859 Cap for 858, 1½ inch Axle..	1948
	878 Center Box, 1¾ inch Axle, Press Drills.	1948
	879 Cap for 878.	1948
DD	Center Box for Roller Bearing	
	590 Center Box for Roller Bearing — 1¾ inch Axle. Used on Pressure Type Drills, 1904 to 1948 and on Back Roller Type Drills 1904 to date.	
	439 Cast Center Box for Roller Bearing, 1½ inch Axle, 1904 to 1948.	
QQ	Quantity Gears. Casting number indicates number of cogs. Regular equipment, Grain or Fertilizer, 13A, 17A, 19A, 22A, 24A. Regular equipment, Grass Seeder Gears, 18A, 24A, 30A.	

Also available, 12A, 14A, 15A, 16A, 20A, 21A, 23A, 26A, 27A, 28A.

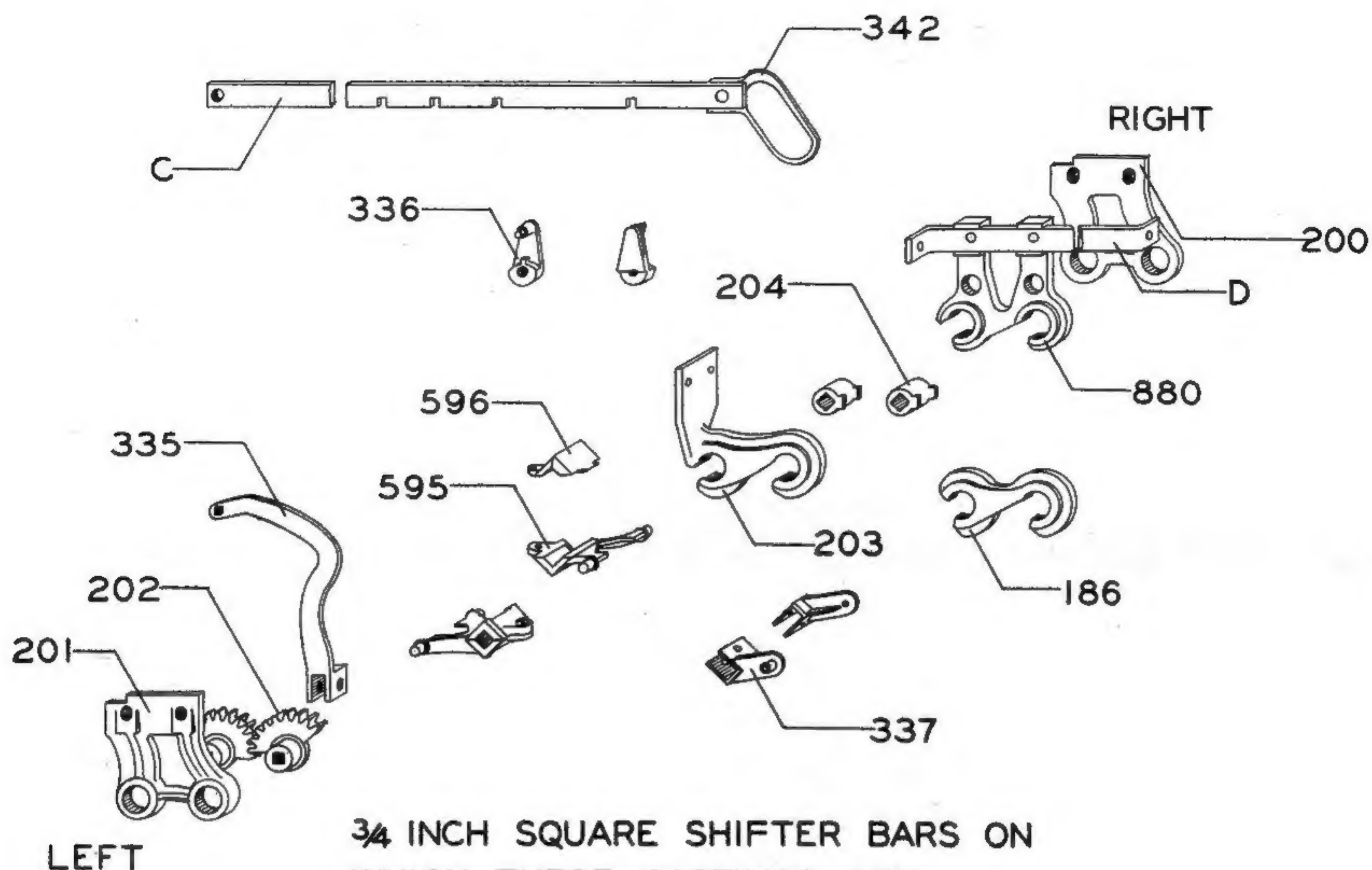
Steel Parts

A	Corner Iron complete, previous to 1948 Replaces Malleable Corner Iron 480 (1907 to 1920).
B	Corner Iron (give size and age of Drill).
C	Front Angle (give size and age of Drill).
D	Side Angle, Right (give size and age of Drill) 1¾ x 2½ x 3/16, 1901 to 1920 2 x 2 x 3/16, 1920 to date 2½ x 2 x ¼ or 3/16, 1936 to date
E	Side Angle, Left (give size and age of Drill) 1¾ x 2½ x 3/16, 1901 to 1920 2 x 2 x 3/16, 1920 to date 2½ x 2 x ¼ or 3/16, 1936 to date
F	Rear Angle (give size and age of Drill).
G	Shifter Bars, ¾ inch square (give size of Drill).
H	Disc Drawhead Bar, ¾ inch round (give size of Drill).
J	Main Axle, cold rolled (give size and age of Drill) 1¾ inch Axle, 6 x 8 to 13 x 8, 9 x 7 to 13 x 7. 1½ inch Axle, 12 x 8 to 15 x 8, 12 x 7 to 16 x 7.
K	Lifting Shaft, ⅞ inch square (give size of Drill).
L	Countershaft, Grain Side, ¾ inch sq., 19½ inches long with worm.
M	Countershaft, Fertilizer Side, ¾ inch square, 13 inches long.
N	Brace for Frame Corner ¼ x 1 inch.
P	Braces for 394, 5/16 x 1¼ inches.
R	Braces for Centerbox after 1948.
S	Round Staples, Back Roller.
T	Square Staple, Back Roller.

Wood Parts

W1	Light Stub Pole, used on Hoe Drills only, previous to 1950.
W2	Bed Rail (give size, type and age of Drill).
W3	Back Roller (give size of Drill).

SHIFTER BAR ASSEMBLY



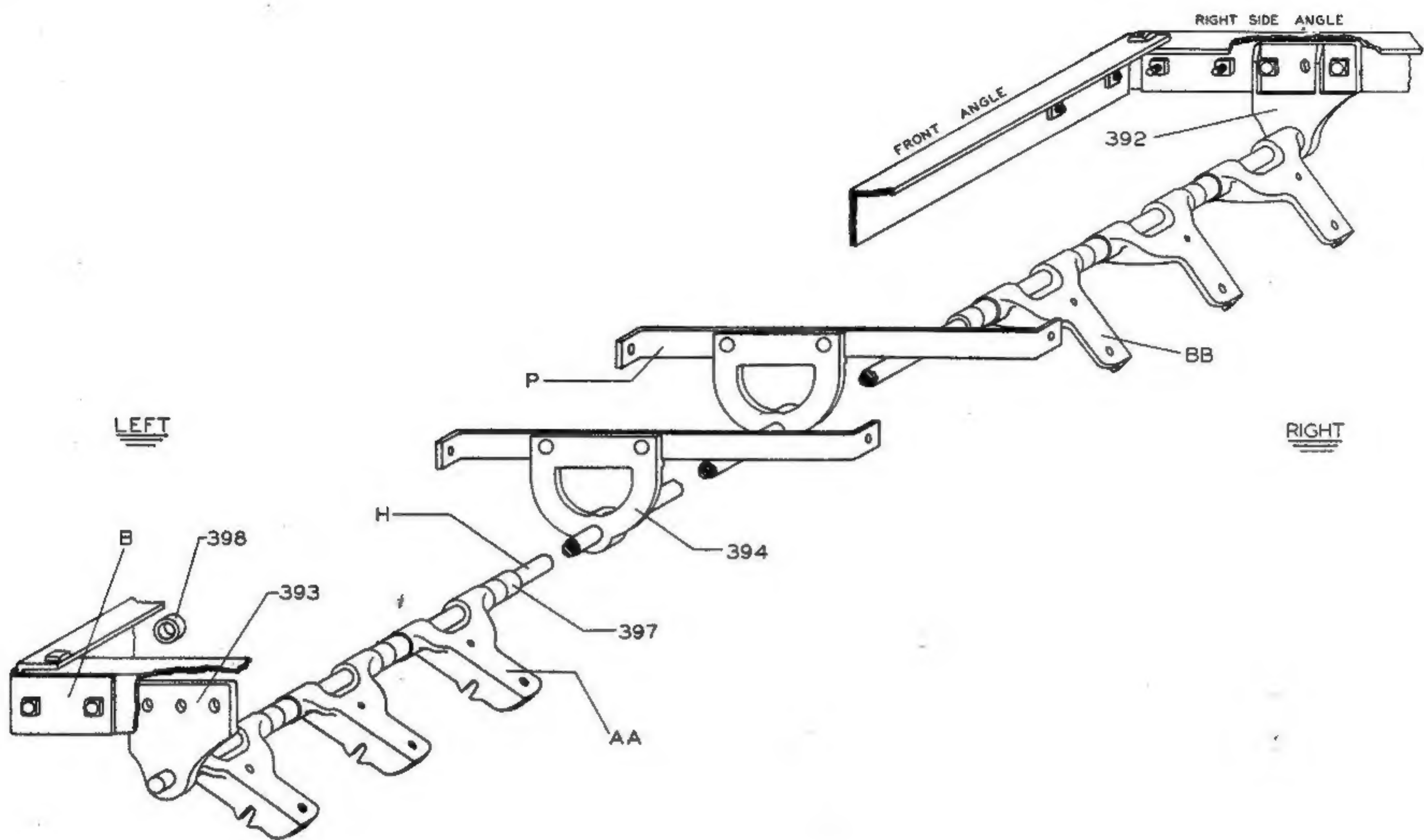
3/4 INCH SQUARE SHIFTER BARS ON WHICH THESE CASTINGS ARE ASSEMBLED ARE SHOWN AS LETTER G ON PAGE I

186	Tie for Hoe Shifter Bars.....	1902
200	Hanger for Hoe Shifter Bars, Right.....	1901
201	Hanger for Hoe Shifter Bars, Left.....	1901
202	Half Gear for Hoe Shifter Bars, End.....	1901
203	Center Support for Hoe Shifter Bars. 1901 to 1950.	
204	Spool for 203 or 880.....	1901
335	Crank Arm for Hoe Shifter, Malleable.....	1903
336	Guide for Hoe Shifter Lever 342.....	1903
337	Half Lug for Hoe Leader, Right or Left, Malleable.....	1903
342	Handle for Hoe Shifter Lever.....	1903
595	Lug for Hoe Leader, Malleable.....	1910
596	Cap for 595.....	1910
880	Center Support for Hoe Shifter Bars.....	1950

Steel Parts

- C Shifter Lever to fit Handle 342 (give size and age of Drill).
- D Strap for 880.

DISC DRAWHEAD BAR ASSEMBLY



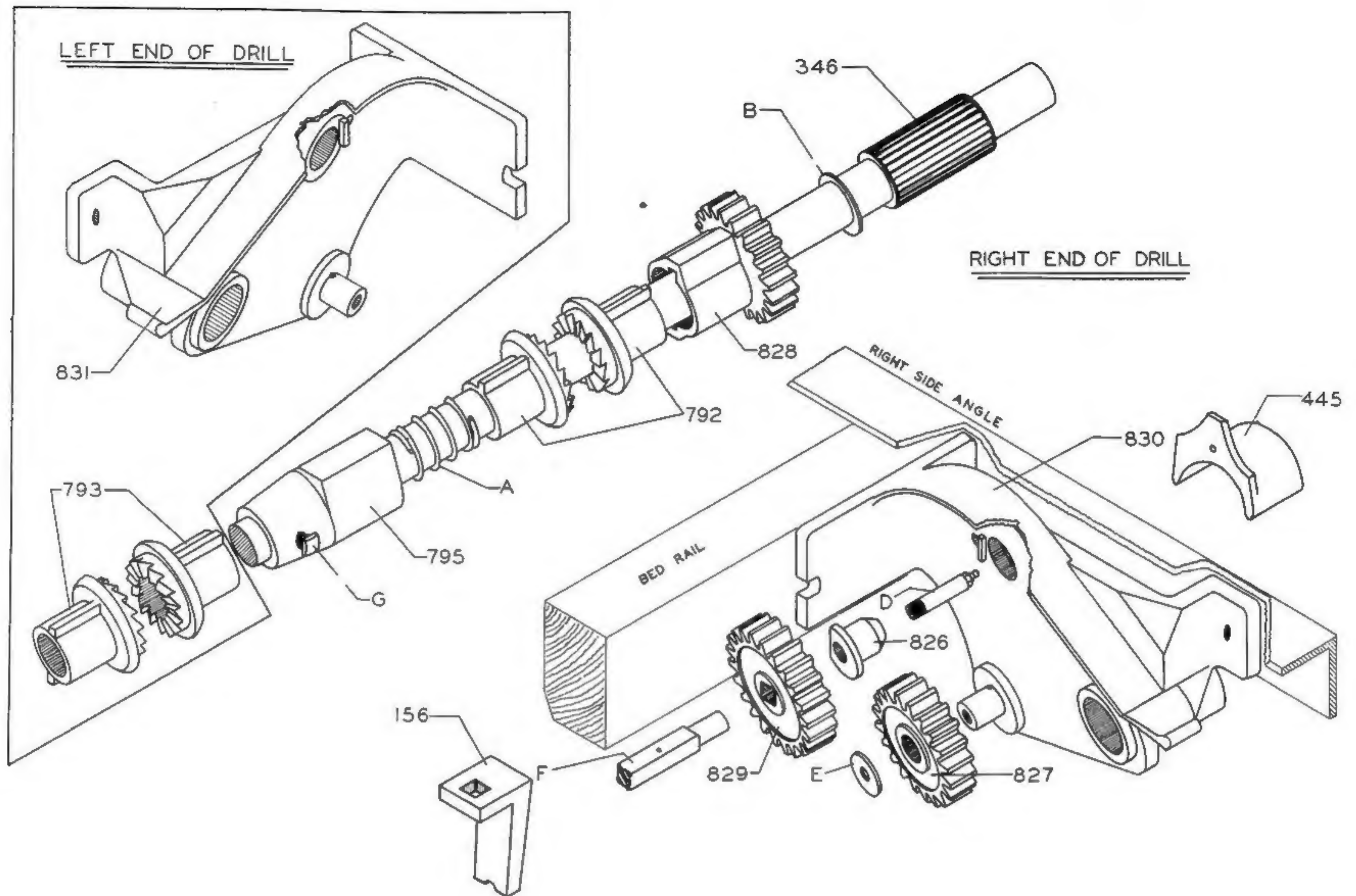
Castings

392	Hanger for Disc Drawhead Bar, Right.	1903
393	Hanger for Disc Drawhead Bar, Left.	1903
394	Hanger for Disc Drawhead Bar, Center.	1903
397	Spacer Spool, 1 inch, for Disc Drawhead Bar. (nn)	1903
398	Spacer Spool, ½ inch, for Disc Drawhead Bar (use at each end of 8 inch Disc Drill). (nn)	1903
AA	Head for Drawbar, Left	
383	Head for Single Disc Drawbar, Left.	1903
503	Head for Double Disc Drawbar, Left.	1907
BB	Head for Drawbar, Right	
382	Head for Single Disc Drawbar, Right.	1903
502	Head for Double Disc Drawbar, Right.	1907

Steel Parts

B	Corner Iron (give size and age of Drill).
H	Disc Drawhead Bar, ¾ inch round (give size of Drill).
P	Brace for 394, 5/16 x 1¼ inches.

1 1/2 INCH AXLE ASSEMBLY



Castings

156	Bridge for 7/16 inch Truss Rod, Center.....	1902
346	Complete Roller Bearing for 1 1/2 inch Axle. (nn).....	1903
445	Hub Sand Shield, Right or Left.	1904
792	Clutch, 1 1/2 inch, Grain Side	1939
	332 Clutch, Grain Side, 1903 to 1939.	
	Note: 332 cannot be replaced by 792.	
793	Clutch, 1 1/2 inch, Fertilizer Side	1939
	333 Clutch, Fertilizer Side, 1903 to 1939.	
	Note: 333 cannot be replaced by 793.	
795	Sleeve with Set Screw for Axle Clutch 1 1/2 inch, Right and Left	1939
	365 Sleeve for Clutch, 1 1/2 inch, 1903 to 1939.	
	Note: 365 cannot be replaced by 795.	

1 1/2 INCH AXLE ASSEMBLY

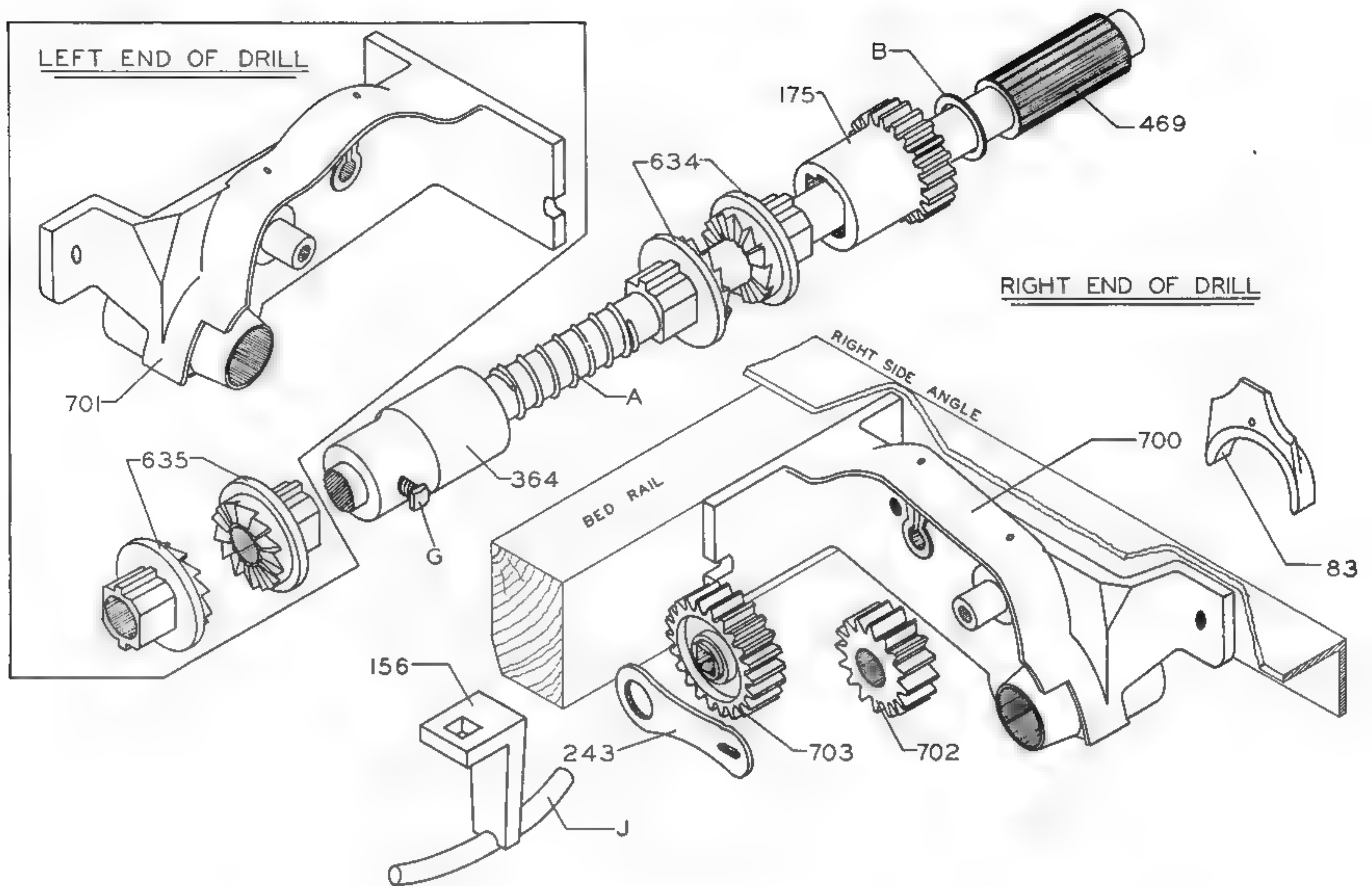
Castings (continued)

- 826 Countershaft Bearing for Axle Boxes 830, 831 (nn) 1941
- 827 Idler Gear, Right or Left, 20 cogs for Axle Boxes 830, 831 1941
702 Idler Gear, 16 cogs for Axle Boxes 772, 773, 1937 to 1941.
170 Idler Gear, 16 cogs for Axle Boxes 450, 451.
170 replaced by 702.
Neither 170 or 702 can be replaced by 827.
- 828 Axle Gear, 20 cogs, for Axle Boxes 830, 8311941
794 Axle Gear, 20 cogs for Axle Boxes 772, 773, 1937 to 1941.
340 Axle Gear, 20 cogs for Axle Box 450, 1903 to 1937.
341 Axle Gear, 22 cogs for Axle Box 451, 1903 to 1937.
None of the above Gears are interchangeable.
- 829 Drive Gear on Countershaft for Axle Boxes 830, 831 1941
703 Drive Gear on Countershaft for Axle Boxes 772, 773, 1937 to 1941.
171 Drive Gear on Countershaft for Axle Boxes 450, 451, 1903 to 1937.
171 replaced by 703.
Neither 171 nor 703 can be replaced by 829.
- 830 Axle Box, Right, 1 1/2 inch1941
772 Axle Box, Right, 1 1/2 inch, 1939 to 1941.
450 Axle Box, Right, 1 1/2 inch, with loose stud 177, 1903 to 1939.
450 replaced by 772.
Neither 450 nor 772 can be replaced by 830.
- 831 Axle Box, Left, 1 1/2 inch1941
773 Axle Box, Left, 1 1/2 inch, 1939 to 1941.
451 Axle Box, Left, 1 1/2 inch, with loose stud 177, 1903 to 1939.
451 replaced by 773 and 340.
Neither 451 nor 773 can be replaced by 831.

Steel Parts

- A Spring for Axle Clutch.
- B Small Axle Washer for 1 1/2 inch Axle.
- D Alemite Fitting, special for 826.
- E Small Washer for Idler Gear Stud.
- F Grain Counter Shaft with Worm, 19 1/2 inches.
- G Set Screw for 795.

1 3/8 INCH AXLE ASSEMBLY



Castings

83	Hub Sand Shield, Right and Left.....	1912
156	Bridge for 7/16 inch Truss Rod, Center.	1902
	Bridge number 614 and 5/16 inch Truss Rod used previous to 1950.	
175	Axle Gear, 20 cogs, Grain and Fertilizer Sides.	1911
	Previous to 1911, Gear 169 used on Fertilizer Side with Axle Box 471.	
243	Cast Two-Hole Washer, Right or Left.....	1901
364	Sleeve with Set Screw for 1 3/8 inch Axle Clutch, Right and Left. ...	1904
469	Complete Roller Bearing for 1 3/8 inch Axle. (nn).....	1905
634	Clutch, 1 3/8 inch, Grain Side.	1913
	604 Clutch, Grain, 1912 to 1913.	
	352 Clutch, Grain, 1901 to 1912.	
	Above obsolete Clutches replaced by two 634.	

1 3/8 INCH AXLE ASSEMBLY

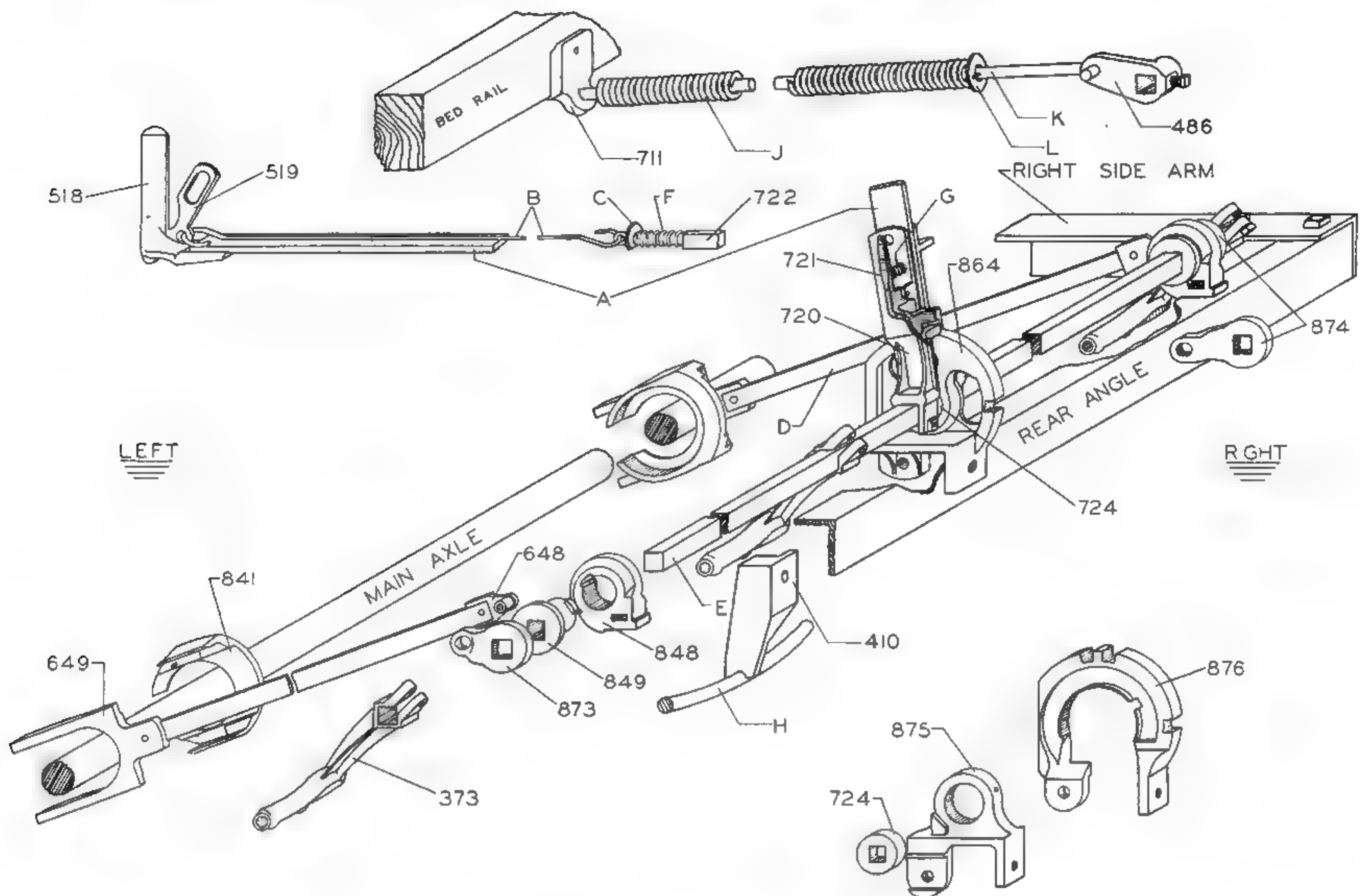
Castings (continued)

635	Clutch, 1 3/8 inch, Fertilizer Side. . . . .	..1913
605	Clutch, Fertilizer, 1912 to 1913.	
353	Clutch, Fertilizer, 1901 to 1912.	
	Above obsolete Clutches replaced by two 635.	
700	Axle Box, Right, 1 3/8 inch... . . . .	...1937
470	Axle Box, Right, with loose stud number 177, 1904 to 1937. Replaced by 700.	
701	Axle Box, Left, 1 3/8 inch.. . . .	..1937
591	Axle Box, Left, with loose stud number 177, 1904 to 1937. Replaced by 701.	
471	Axle Box, Left, with loose stud number 177, 1904 to 1911. Replaced by 701 and Axle Gear 175.	
702	Idler Gear, Right and Left, 16 cogs ..... .	..1937
170	Idler Gear, 16 cogs, 1901 to 1937. Replaced by 702.	
703	Drive Gear on Countershaft, Right and Left.	1937
171	Drive Gear on Countershaft, 1901 to 1937. Replaced by 703.	

Steel Parts

A	Spring for Axle Clutch.	
B	Small Axle Washer for 1 3/8 inch Axle.	
G	Set Screw for 364.	
J	Bed Truss Rod (give size of Drill)	
	7/16 inch round. . . . .	...1949
	5/16 inch round previous to 1950.	

LIFTING SHAFT and SHIFTER ASSEMBLY



Castings

373	Lifting Arm for Press Rod, Malleable. Complete assembly includes cap 374..	1903
410	Bridge for Rear Truss Rod, Center.....	1903
486	Wrist for Helper Rod, Hand Lift Disc Drills only.....	1906
518	Handle for Lifting Lever, Hand Lift Drills.....	1907
519	Finger Piece for Handle 518.....	1907
648	Stud Plate for 649 Shifter Strap, Malleable.	1915
649	Shifter Wedge, Outside, Malleable, Pressure type Drills & model 36 sower. 449D Shifter Wedge replaced by 649.	1915
711	Guide on Bed Rail for Helper Rod, Hand Lift Disc Drills only.	1935
720	Lever Socket for Folding Lever, Malleable, Hand Lift Drill 616, 618 Malleable Lever Socket, 1912 to 1930. 573 Malleable Lever Socket, 1909 to 1912. 515 Malleable Lever Socket, 1907 to 1909. 385 Malleable Lever Socket, 1903 to 1907.	1930
721	Latch on Folding Lever Socket 720, Malleable, Hand Lift Drill ...	1930
722	Plunger for Socket 720, Malleable, Hand Lift Drills ...	1930
	514 Plunger for Sockets 616, 573, 515, 1907 to 1930.	
	386 Plunger for Socket 385, 1903 to 1907.	

LIFTING SHAFT and SHIFTER ASSEMBLY

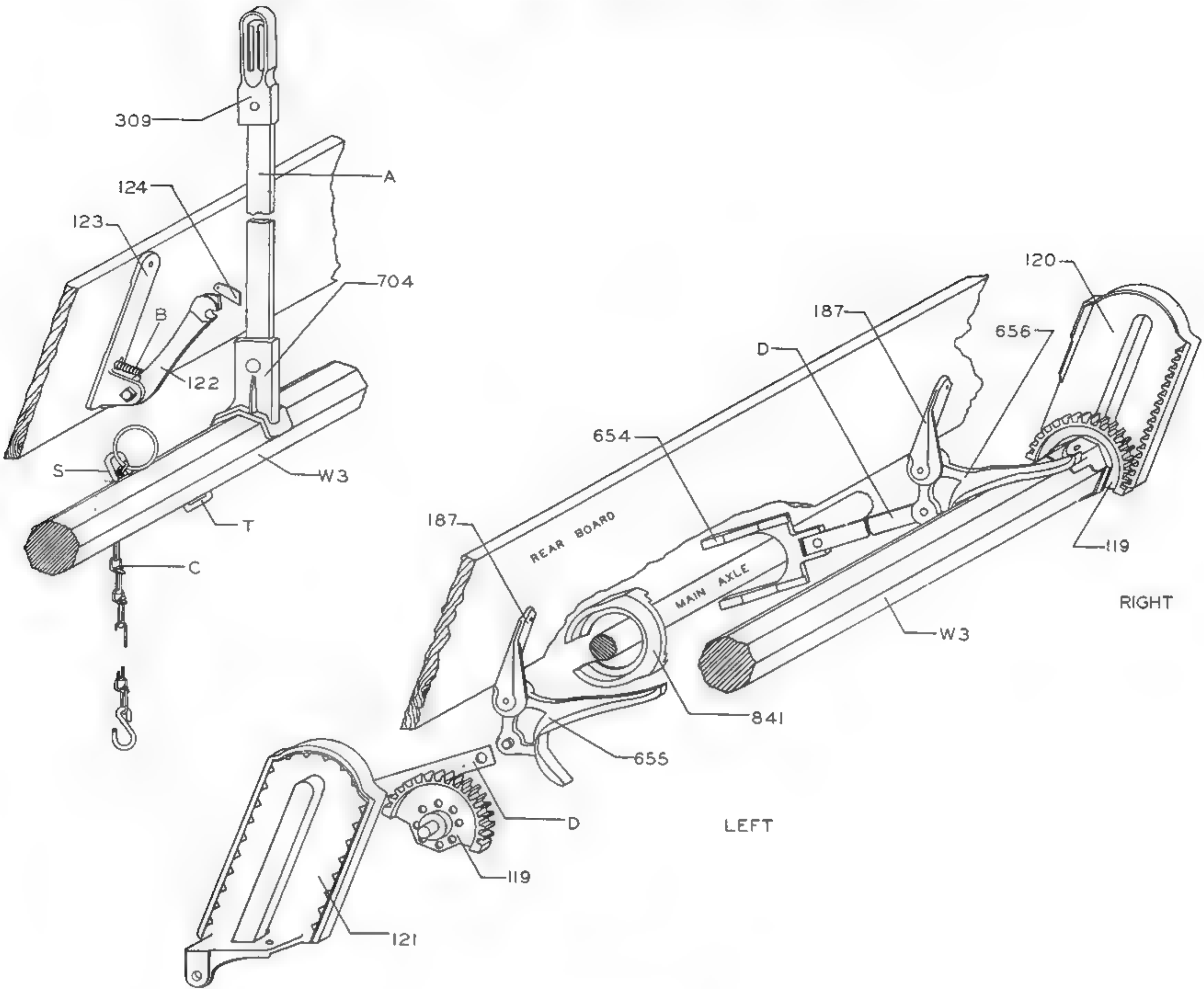
Castings (continued)

724	Spool on Lifting Shaft for 723, 864, 875 Quadrants. (nn) . . .	1930
	516 Spool for Quadrant 476.	
841	Shifter Wedge, Inside.....	1948
	Replaces 435 and Strap.	
848	Hanger for Lifting Shaft, Right or Left.....	1948
	388 Hanger for Lifting Shaft, Right, 1903 to 1948.	
	389 Hanger for Lifting Shaft, Left, 1903 to 1948.	
849	Spool for Hanger 848 (nn)	1948
	233 Spool for 388 and 389, 1903 to 1948.	
864	Notched Segment, Rear, for Hand Lift.....	1948
	723 Notched Segment, Rear, 1930 to 1948.	
	476 Notched Segment, Rear, 1905 to 1930.	
	384 Notched Segment, Rear, 1903 to 1905.	
873	Shifter Wrist, Left.....	1948
	837 Shifter Wrist, Right or Left, to 1948.	
	597 Shifter Wrist, Left, 1915 to 1945.	
	405 Complete Shifter Wrist, Left, 1903 to 1915.	
	597 and 405 Complete, replaced by 837.	
874	Shifter Wrist, Right.....	1948
	837 Shifter Wrist, Right or Left, to 1948.	
	408 Shifter Wrist, Right, 1903 to 1945, replaced by 837.	
876	Adapter Notched Segment, to change Power Lift Drills to Hand Lift.	

Steel Parts

A	Strap for Rear Lever, Hand Lift.	
B	Pull Rod between 519 and 722.....	1930
	Pull Rod between 519 and 514, 1907 to 1930.	
C	Special Washer for 722.....	1949
D	Strap for 649 Shifter Wedge, all Pressure Drills, Right and Left.	
E	Lifting Shaft, 7/8 inch square (give drill size).	
F	Spring for 722 Rear Lever Plunger.....	1930
	Spring for 514, 1907 to 1930.	
	Spring for 386, 1903 to 1907.	
G	Spring for 721 Lock on Rear Folding Lever	1930
H	Rear Truss Rod, 7/16 inch round (give size of Drill).	
J	Spring for Helper Rod, Hand Lift Disc Drill.	
K	Helper Spring Rod, round, for 486, Hand Lift Disc Drill.	
L	Washer for Helper Spring Rod, round, Hand Lift Disc Drill.	

BACK ROLLER and SHIFTER ASSEMBLY



Castings

119	Half Gear for Back Roller.....	1901
120	Rack for Back Roller, Right.	1901
121	Rack for Back Roller, Left.	1901
122	Pawl for Back Roller, Fertilizer Drill.	1901
123	Jaw Plate for Back Roller Pawl 122, 288.	1901
124	Pawl-Catch for Back Roller Pawl 122, 288.	1901
187	Bracket for Shifter Cam, Back Roller, Fertilizer Drill.	1901
309	Handle for Back Roller Lever.	1902

BACK ROLLER and SHIFTER ASSEMBLY

Castings (continued)

- 654 Shifter Wedge, Outside, Malleable, for Back Roller Drill. 1915
436 Shifter Wedge, Outside, Malleable, for Back Roller Drill, 1901 to 1915.
654 with Strap will replace 436 with Strap on all Back Roller Drills
after 1904.
- 655 Shifter Cam Arm, Left, Back Roller Drills1915
598 Shifter Cam Arm, Left, Back Roller Drills, 1911 to 1915.
188 Cpt. Shifter Cam Arm, Left, Back Roller Drills, 1901 to 1911.
655 will replace older numbers.
- 656 Shifter Cam Arm, Right, Back Roller Drills,1915
185 Shifter Cam Arm, Right, Back Roller Drills, 1901 to 1915.
656 will replace 185.
- 704 Lever Socket for Back Roller Handle1920
125 Lever Socket for Back Roller Handle, 1901 to 1920.
- 841 Shifter Wedge, Inside1948
435 and Strap, Back Roller, 1901 to 1948.
841 will replace 435 and Strap.

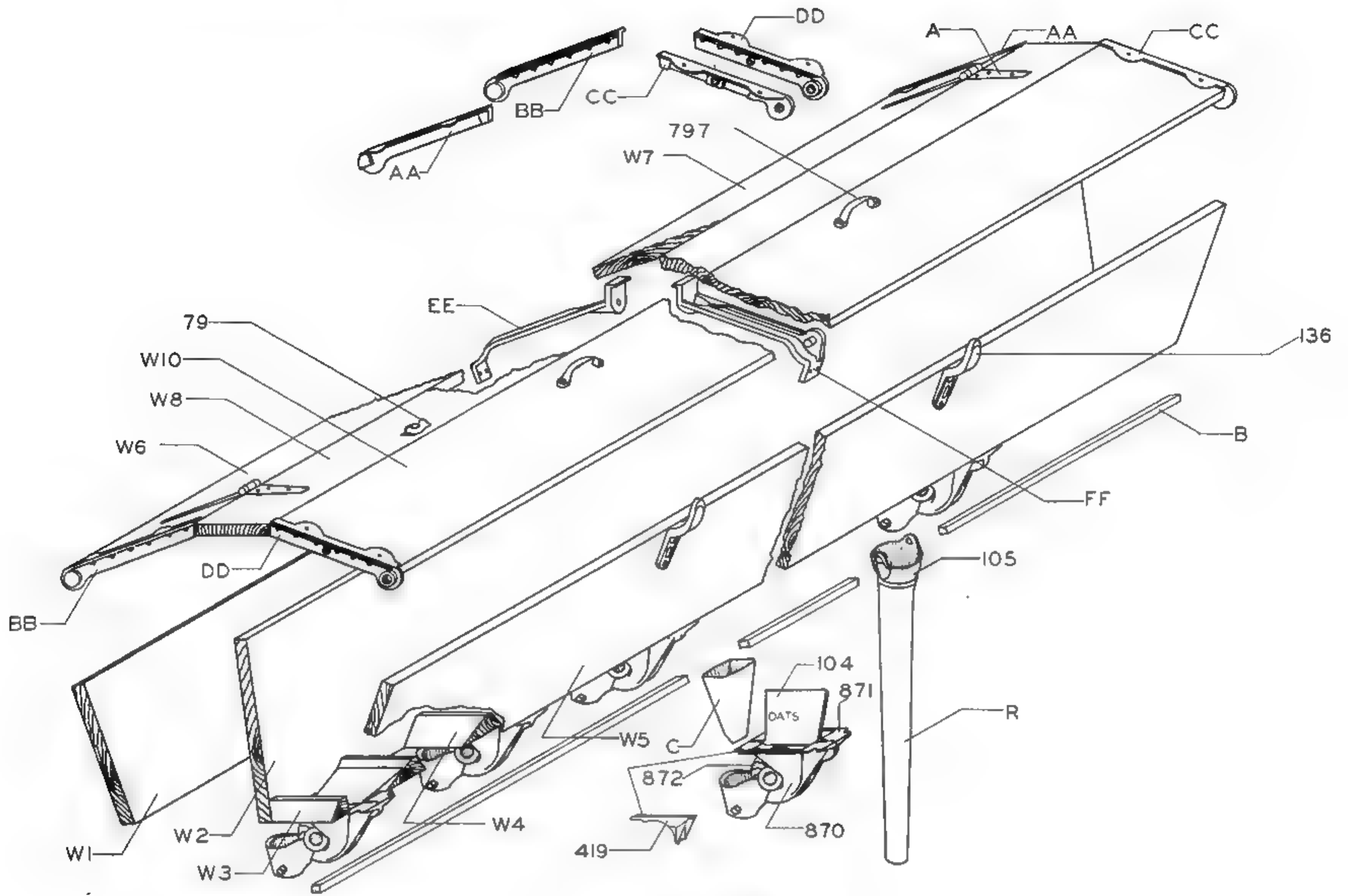
Steel Parts

- A Rear Lifting Lever Strap for 704.
- B Spring for Back Roller Pawl.
- C Chain for Back Roller Hoe Lift.
- D Strap for Shifter Wedge.
- S Round Staples for Back Roller.
- T Square Staple for Back Roller.

Wood Parts

- W3 Back Roller, (give size of Drill).

GRAIN HOPPER, BOARDS AND CASTINGS



Castings

79	Button for Grain Lid. (nn).....	1901
104	Opening Selector Plate for Grain Distributer, Fertilizer Drill.....	1901
105	Cast Top for Rubber Conductor.....	1901
	706, 707 Top for Rubber Conductor to Take Grass Seeder Spout.....	1919
	606, 607 Michigan Conductor Top, 1911 to 1940.	
	484, 485 Michigan Conductor Top, 1906 to 1911.	
	312, 313 Spiral Wire Conductor Top, Obsolete.	
136	Grain Lid Support, Fertilizer Drill.	1901
419	Bridge for Grain Distributer, all types.....	1904
797	Handle for Divided Grain Lids.....	1942
870	Side for Grain Distributer, Right.....	1948
	750 Side for Grain Distributer, Right, 1931 to 1948.	
	640 Side for Grain Distributer, Right, 1929 to 1931.	
	420 Side for Grain Distributer, Right, 1903 to 1929.	
871	Side for Grain Distributer, Left.....	1948
	751 Side for Grain Distributer, Left, 1931 to 1948.	
	641 Side for Grain Distributer, Left, 1929 to 1931.	
	421 Side for Grain Distributer, Left, 1903 to 1929.	
872	Wheel for Grain Distributer, 870 Complete (nn)	1948
	752 Wheel for Grain Distributer, 750 Complete, 1931 to 1948.	
	422 Wheel for Grain Distributer, 640 Complete, 420 Complete, 1903 to 1931.	

NOTE: Orders for complete Distributors, 420 Complete, 640 Complete, or 750 Complete, will be filled with 870 Complete.

GRAIN HOPPER, BOARDS AND CASTINGS

Castings (continued)

AA	Fertilizer Lid Guard, Left.	
	355 Guard for Fertilizer Lid, Left, Standard Body.....	1903
	855 Guard for Fertilizer Lid, Left, Special Body	1948
BB	Fertilizer Lid Guard, Right.	
	354 Guard for Fertilizer Lid, Right, Standard Body	1903
	854 Guard for Fertilizer Lid, Right, Special Body	1948
CC	Grain Lid Hinge, Left.	
	135 Grain Lid Hinge, Left, Standard Body	1903
	853 Grain Lid Hinge, Left, Special Body	1948
DD	Grain Lid Hinge, Right.	
	134 Grain Lid Hinge, Right, Standard Body	1903
	852 Grain Lid Hinge, Right, Special Body.....	1948
EE	Center Support, Fertilizer Side.	
	799 Center Support, Fertilizer Side, Divided Lid, Standard Body.....	1942
	857 Center Support, Fertilizer Side, Divided Lid, Special Body.....	1948
FF	Center Support, Grain Side.	
	798 Center Support, Grain Side, Divided Lid, Standard Body	1942
	856 Center Support, Grain Side, Divided Lid, Special Body.....	1948

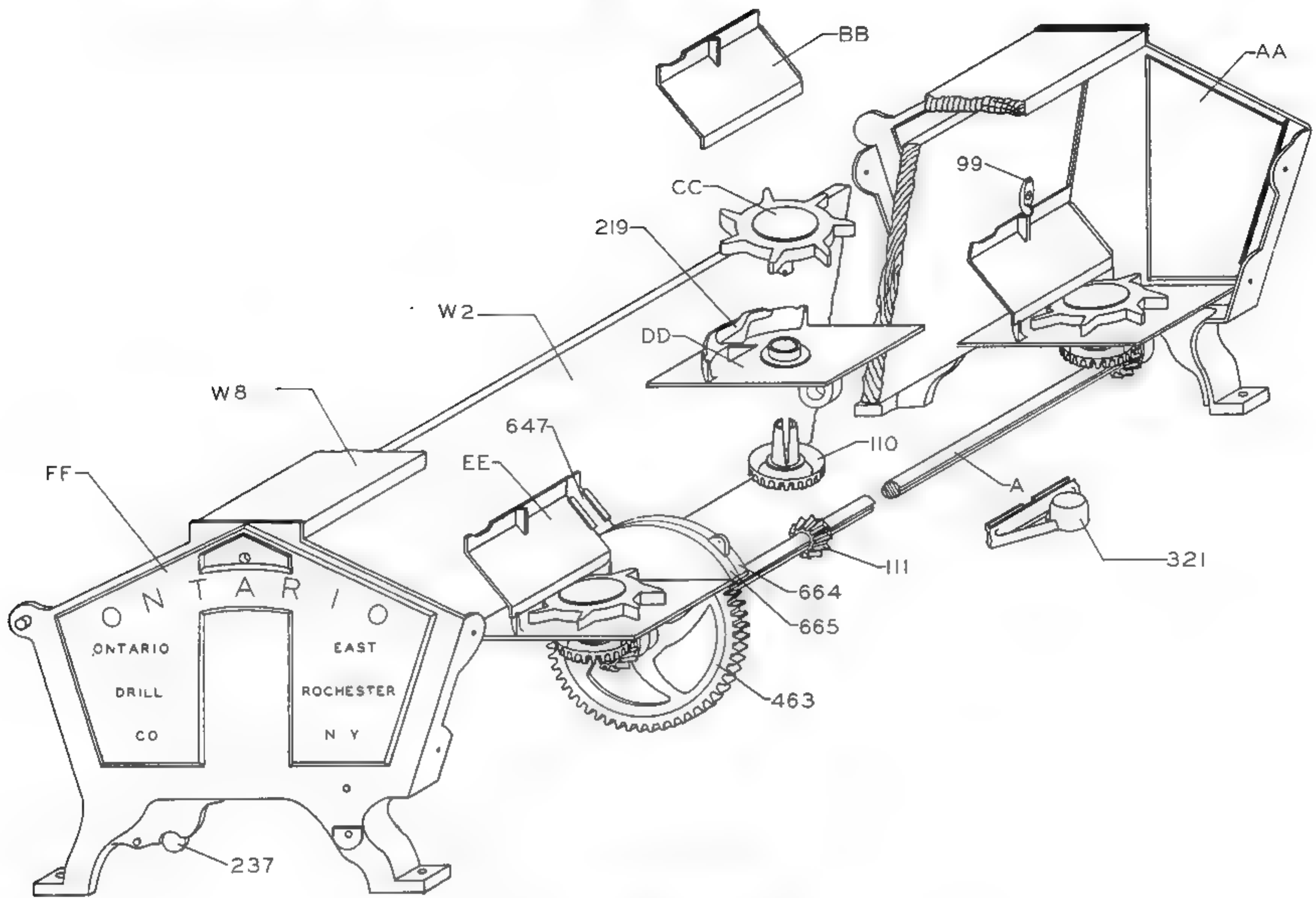
Steel Parts

- A Strap Hinge for Fertilizer Lid.
- B Grain Shaft, 9/16 inch square, (give size of Drill).
- C Zinc spout for Fertilizer.

Wood Parts

- W1 Rear Board, Standard Fertilizer Drill (give size and End Plate number).
Rear Board, Special Fertilizer Drill (give size and End Plate number).
- W2 Division Board, Standard Fertilizer Drill (give size and End Plate number).
Division Board, Special Fertilizer Drill (give size and End Plate number).
- W3 End Hopper Block, Right, Fertilizer Drill (give size of Drill).
End Hopper Block, Left, Fertilizer Drill (give size of Drill).
- W4 Hopper Block, Fertilizer Drill (give size of Drill).
- W5 Front Board, Standard Fertilizer Drill (give size of Drill and End Plate number).
Front Board, Special Fertilizer Drill (give size of Drill and End Plate number).
- W6 Fertilizer Lid, Right, Standard Fertilizer Drill (give size of Drill and End Plate number).
Fertilizer Lid, Right, Special Fertilizer Drill (give size of Drill and End Plate number).
Drills smaller than 11 x 8 or 12 x 7 have Single Lid.
- W7 Fertilizer Lid, Left, Standard Fertilizer Drill (give size of Drill and End Plate number).
Fertilizer Lid, Left, Special Fertilizer Drill (give size of Drill and End Plate number).
Drills smaller than 11 x 8 or 12 x 7 have Single Lid.
- W8 Top Board, Standard Fertilizer Drill (give size of Drill and End Plate number).
Top Board, Special Fertilizer Drill (give size of Drill and End Plate number).
- W10 Grain Lid, Right or Left, Standard Fertilizer Drill (give size of Drill and End Plate number).
Grain Lid, Right or Left, Special Fertilizer Drill (give size of Drill and End Plate number).
Drills smaller than 11 x 8 or 12 x 7 have Single Lid.
- R Rubber Conductor.
Rubber Hoe Conductor, 22 inches.
Rubber Disc Conductor, 18½ inches.

FERTILIZER HOPPER, BOARDS AND CASTINGS



Castings

99	Button for Back Plate.	1901
110	Bevel Gear with Stem, 25 cogs.	1901
111	Bevel Gear with feathered hole, 12 cogs, meshes with 110.	1901
219	Fertilizer Hammer.	1901
237	Stop Latch on Left End Plate. (nn)	1901
321	Fertilizer Cut Off.	1902
463	Fertilizer Shaft Gear, 54 cogs.	1904
173	Fertilizer Shaft Gear, 54 cogs, 1901 to 1904 (Replaced by 463).	
647	Filler Piece over Gear Cover in Fertilizer Box.	1917
664	Side of Cover for 463 Gear in Fertilizer Box, Right.	1917
665	Side of Cover for 463 Gear in Fertilizer Box, Left.	1917
646	Cover for 463 Gear, 1914 to 1917, replaced by 664, 665.	
214	Side of Cover for 463 Gear, Right, 1901 to 1919.	
215	Side of Cover for 463 Gear, Left, 1901 to 1919.	
	214 and 215 replaced by 664, 665 and 647.	

FERTILIZER HOPPER, BOARDS AND CASTINGS

Castings (continued)

AA	End Plate, Right	
800	End Plate, Standard Drill, Right	1943
360	End Plate, Standard Drill, Right, 1903 to 1944. Replaced by 800.	
850	End Plate, Special Drill, Right	1948
BB	Back Plate	
567	Reversible Back Plate with Flange, 7 inch Drill	1909
196, 197	Back Plates, 7 inch Drill, 1901 to 1909.	
568	Reversible Back Plate with Flange, 8 inch Drill .....	...1909
198, 199	Back Plates, 8 inch Drill, 1901 to 1909.	
CC	Feeder, Fertilizer	
109	Fertilizer Feeder, 150 lb. Base.	1901
126	Fertilizer Feeder, 100 lb. Base. ....	..1905
154	Fertilizer Feeder, 75 lb. Base.	1901
216	Fertilizer Feeder, 25 lb. Base. ....	...1902
DD	Bottom Plate, Fertilizer	
307	Fertilizer Bottom Plate, 7 inch Drills....	1902
308	Fertilizer Bottom Plate, 8 inch Drills .....	...1902
EE	Back Plate, Fertilizer, for Left end only.	
577	Reversible Back Plate, for Left end only, 7 inch Drills.	1909
578	Reversible Back Plate, for Left end only, 8 inch Drills.	...1909
FF	End Plate, Left	
801	End Plate, Standard Drill, Left .....	...1943
361	End Plate, Standard Drill, Left, 1903 to 1944. Replaced by 801.	
851	End Plate, Special Drill, Left... ..	...1948

Steel Parts

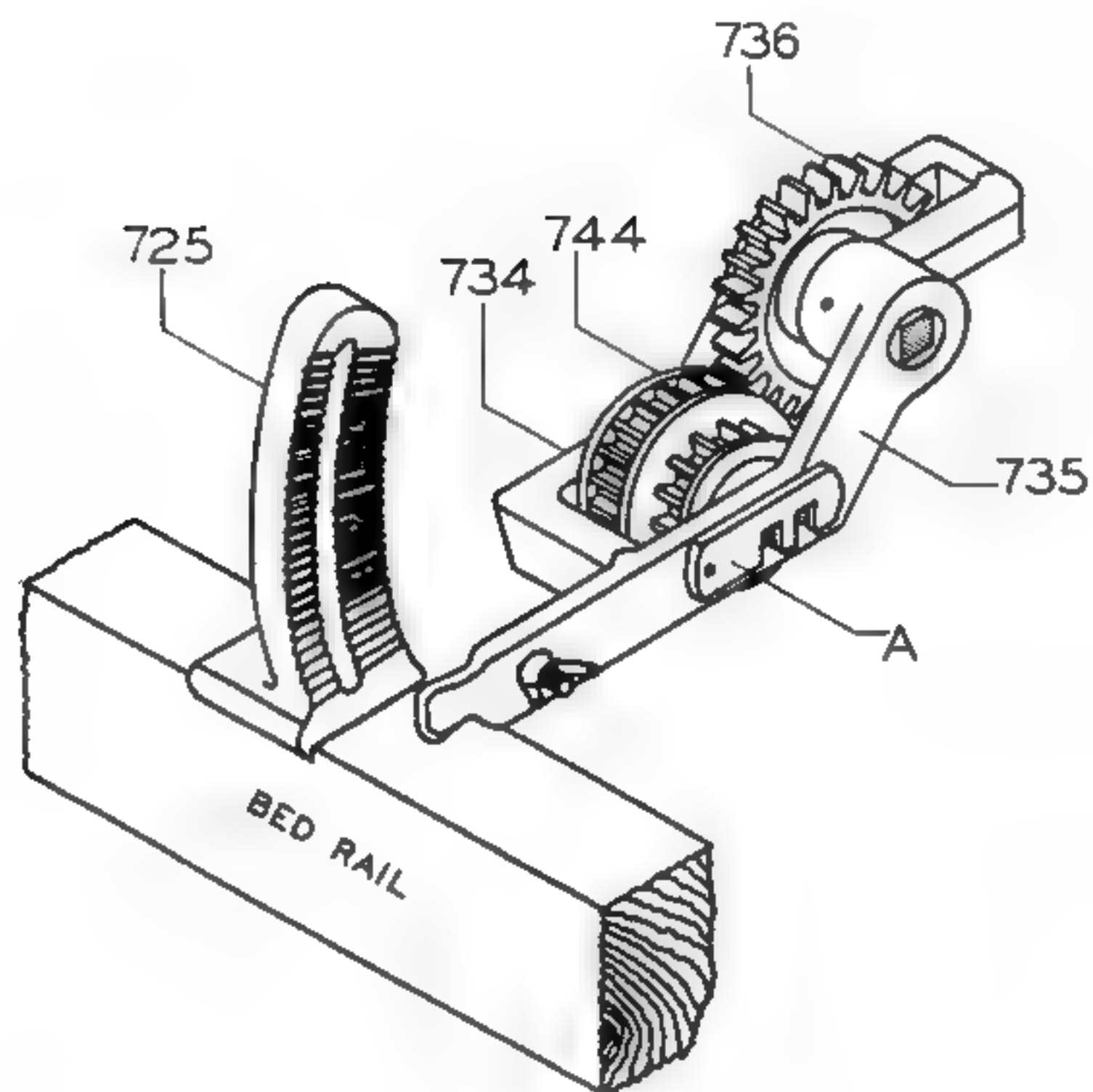
A	Fertilizer Shaft, $\frac{3}{4}$ inch round, key seated (give size of Drill).
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Wood Parts

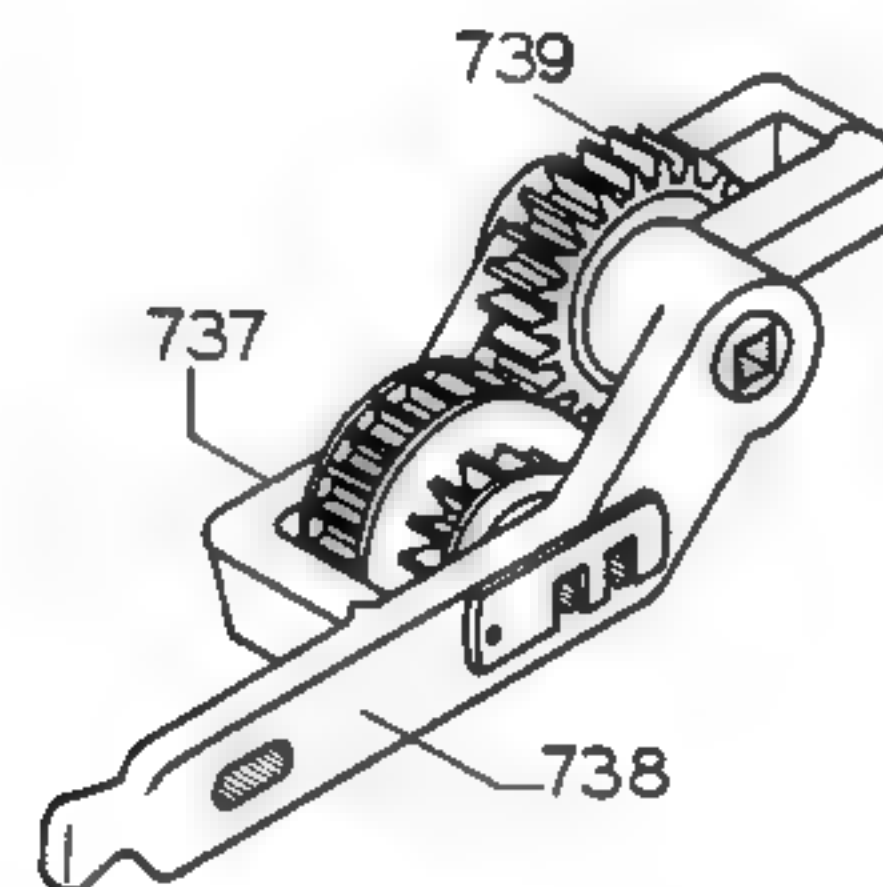
W2	Division Board Give number of End Plate and size of Drill.
W8	Top Board Give number of End Plate and size of Drill.

YOKES, Speed Transmission Devices

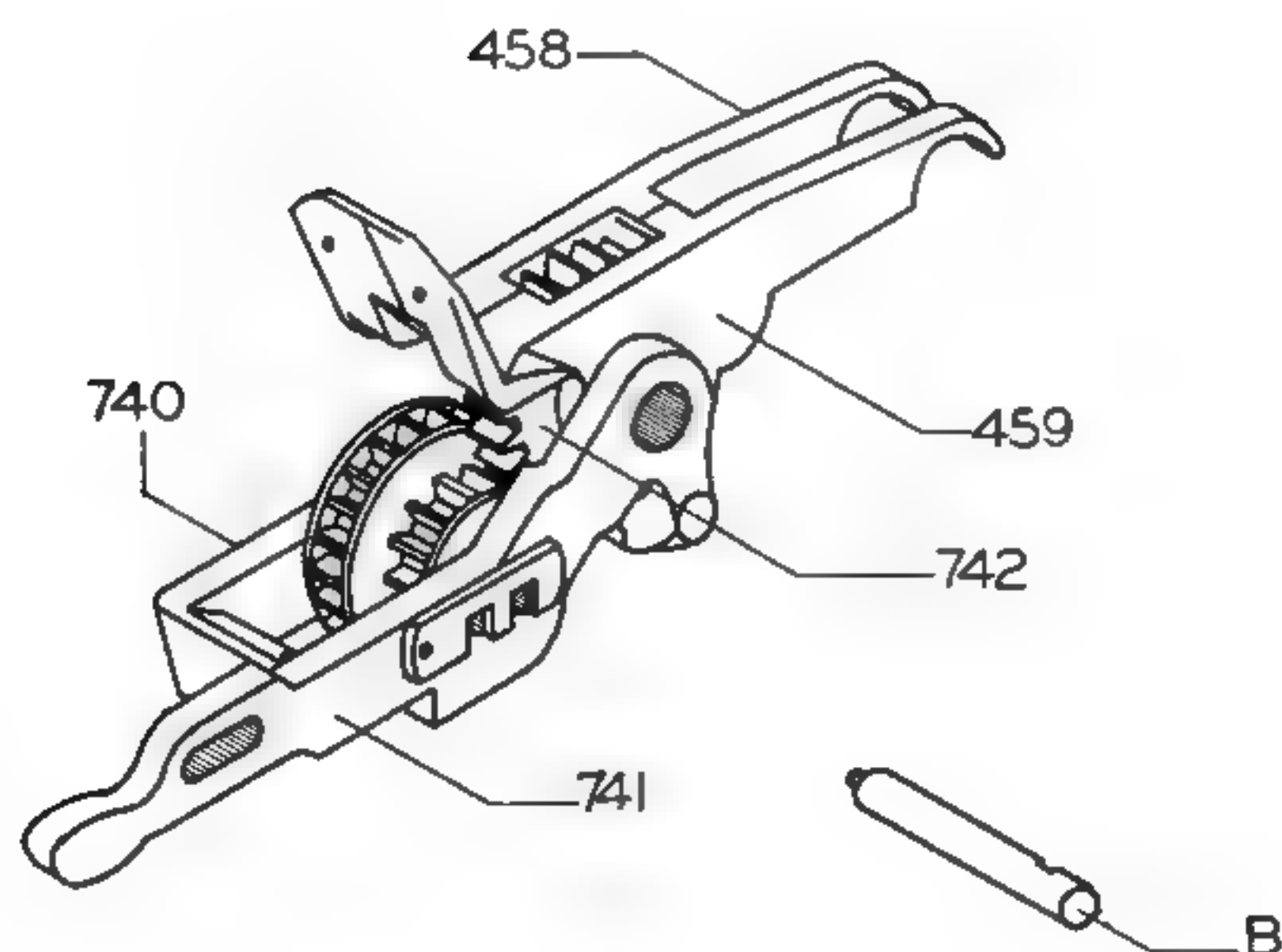
SEVEN INCH GRAIN



EIGHT INCH GRAIN



FERTILIZER



YOKES, Speed Transmission Devices

7 inch Grain Yokes

734 Complete, 1931

	452 Complete 7" (1904 to 1931)	696 Complete (1920 to 1923)	574 Complete 7" (1910 & 1931)
725 Standard for Yoke.....	456, 622	456, 622	456, 622
734 Side for 7 inch Grain Yoke, Right.....	452	696	574
735 Side for 7 inch Grain Yoke, Left.....	453	697	575
736 Grain Shaft Gear, 7 inch Yoke, 26 cogs.....	176	586	583
744 Double Change Gear, 14 and 22 cogs.....	455	455	455
A Latch, on side 734.....	—	698 on 696	—
B Pin for 744, with alemite.....	Pin for 178 Clevis, 178	Pin with Handle	Pin for 178 178
Thumb Latch and Spring.....	454 & Spg.	454 & Spg.	454 & Spg.
Latch for 178.....	447	—	447

RETIRED YOKES, not illustrated 7 inch Grain Yokes

8 inch Grain Yokes

737 Complete, 1931

	452 Complete 8" (1904 to 1931)	692 Complete (1920 to 1923)	574 Complete 8" (1910 & 1931)
725 Standard for Yoke.....	456, 622	456, 622	456, 622
737 Side for 8 inch Grain Yoke, Right.....	452	692	574
738 Side for 8 inch Grain Yoke, Left.....	453	693	575
739 Grain Shaft Gear, 8 inch Yoke, 23 cogs.....	306	583	583
744 Double Change Gear, 14 and 22 cogs.....	455	455	455
A Latch, on side 738.....	—	698 on 692	—
B Pin for 744, with alemite.....	Pin for 178 Clevis, 178	Pin with Handle	Pin for 178 178
Thumb Latch and Spring.....	454 & Spg.	454 & Spg.	454 & Spg.
Latch for 178.....	448	—	448

8 inch Grain Yokes

Fertilizer Yoke

740 Complete, 1931

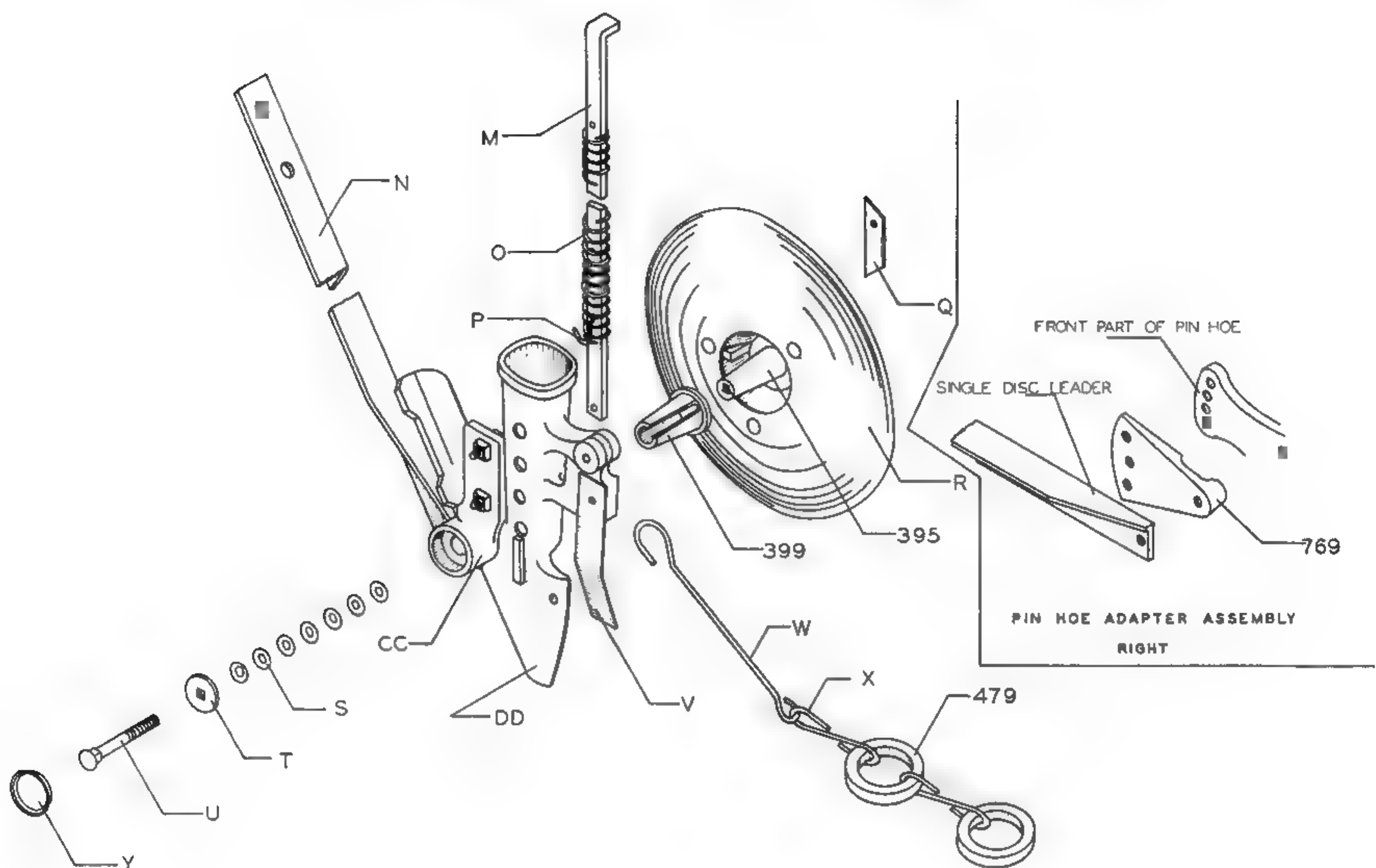
	460 Complete (1904 to 1931)	694 Complete (1920 to 1923)	580 Complete (1910 & 1931)
458 Gear Hanger, Right.....	458	458	458
459 Gear Hanger, Left.....	459	459	459
725 Standard for Yoke.....	456, 622	456, 622	456, 622
740 Side for Fertilizer Yoke, Right.....	460	694	580
741 Side for Fertilizer Yoke, Left.....	461	695	581
742 Idler Gear, 23 cogs.....	565, 566	565, 566	565, 566
744 Double Change Gear, 14 and 22 cogs.....	455	455	455
A Latch, on side 740.....	—	698 on 694	—
B Pin for 744, with alemite.....	Pin for 178 Clevis, 178	Pin with Handle	Pin for 178 178
Thumb Latch and Spring.....	454 & Spg.	454 & Spg.	454 & Spg.
Latch for 178.....	478	—	478

Fertilizer Yoke

Corn Yoke

Same as 734 Complete Except: 579 in place of 736; 747 in place of 744.

SINGLE DISC ASSEMBLY Since 1939



Castings

395	Spindle for Single Disc	1903
399	Bushing for Single Disc Spindle 395 (nn).....	1903
479	Ring for Drag Chain (nn)	1906
769	Adapter for attaching Hoe 441 (or 441B) to Single Disc Drawbar.	
CC	Hanger and Hub for Single Disc Bearing	1940
728	Hanger and Hub for Single Disc Bearing, Right	
729	Hanger and Hub for Single Disc Bearing, Left.	
DD	Shield for Single Disc.....	1940
730	Shield for Single Disc, Right.	
731	Shield for Single Disc, Left.	

Steel Parts

M	Disc Press Rod.	
N	Single Disc Draw Bar, Right. Single Disc Draw Bar, Left.	
O	Spring for Press Rod, Disc or Hoe Pressure Drills.	
P	Wire Worm for Bottom of Press Spring	1917
375	Cup for Bottom of Press Spring, 1903 to 1917.	

SINGLE DISC ASSEMBLY Since 1939

For Single Disc from 1903 to 1940 see numbers 570-571, 380-381 below

Steel Parts (continued)

Q	Scraper, for Inside of Single Disc.	
R	Single Disc Blade, 13 inches in Diameter.	
S	Spacing Washers.	
T	Square hole Washer.	
U	Bolt, Special Carriage Bolt for Single Disc Hub.....	1940
V	Scraper, for Outside of Single Disc.	
W	Hook for Drag Chain.	
X	Connecting Links on Drag Chain.	
Y	Dust Cap for Disc Hub 728 or 729.....	1940

570 and 571 Single Disc, Complete (not shown), 1909 to 1940.

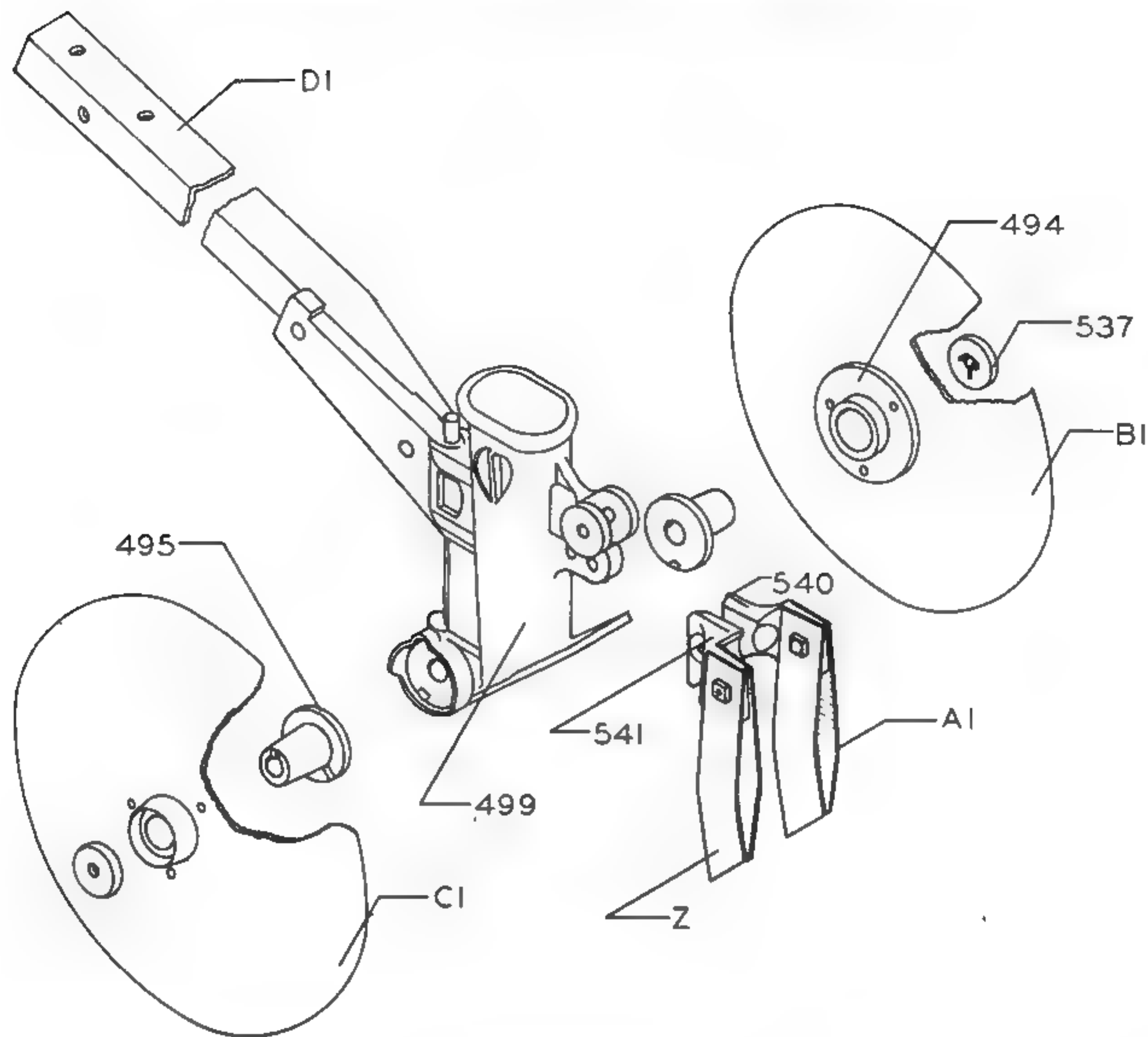
390	Clamp, for Scraper, Right.
391	Clamp, for Scraper, Left.
395	Spindle for Single Disc.
399	Bushing for 395.
569	Cast Washer for 570 or 571.
570	Boot for Single Disc, Right.
571	Boot for Single Disc, Left.
	Bolt for Disc Hub, $\frac{3}{8}$ x $3\frac{1}{2}$ inch machine.
	Single Disc Blade, 13 inch Diameter.
	Inside Scraper, Right or Left.
	Outside Scraper, Right.
	Outside Scraper, Left.

380 and 381 Single Disc, Complete (not shown), 1903 to 1909.

380	Boot for Single Disc, Right.
381	Boot for Single Disc, Left.
390	Clamp, for Scraper, Right.
391	Clamp, for Scraper, Left.
395	Spindle for Single Disc.
396	Cast Washer for 380 or 381.
399	Bushing for 395.
	Bolt for Disc Hub, $\frac{3}{8}$ x $3\frac{1}{2}$ inch machine.
	Single Disc Blade, 13 inch Diameter.
	Inside Scraper, Right or Left.
	Outside Scraper, Right.
	Outside Scraper, Left.

Disc Drawbar, Right or Left (Discs 380 and 381 take different Drawbars than 570 or 730)

DOUBLE DISC ASSEMBLY



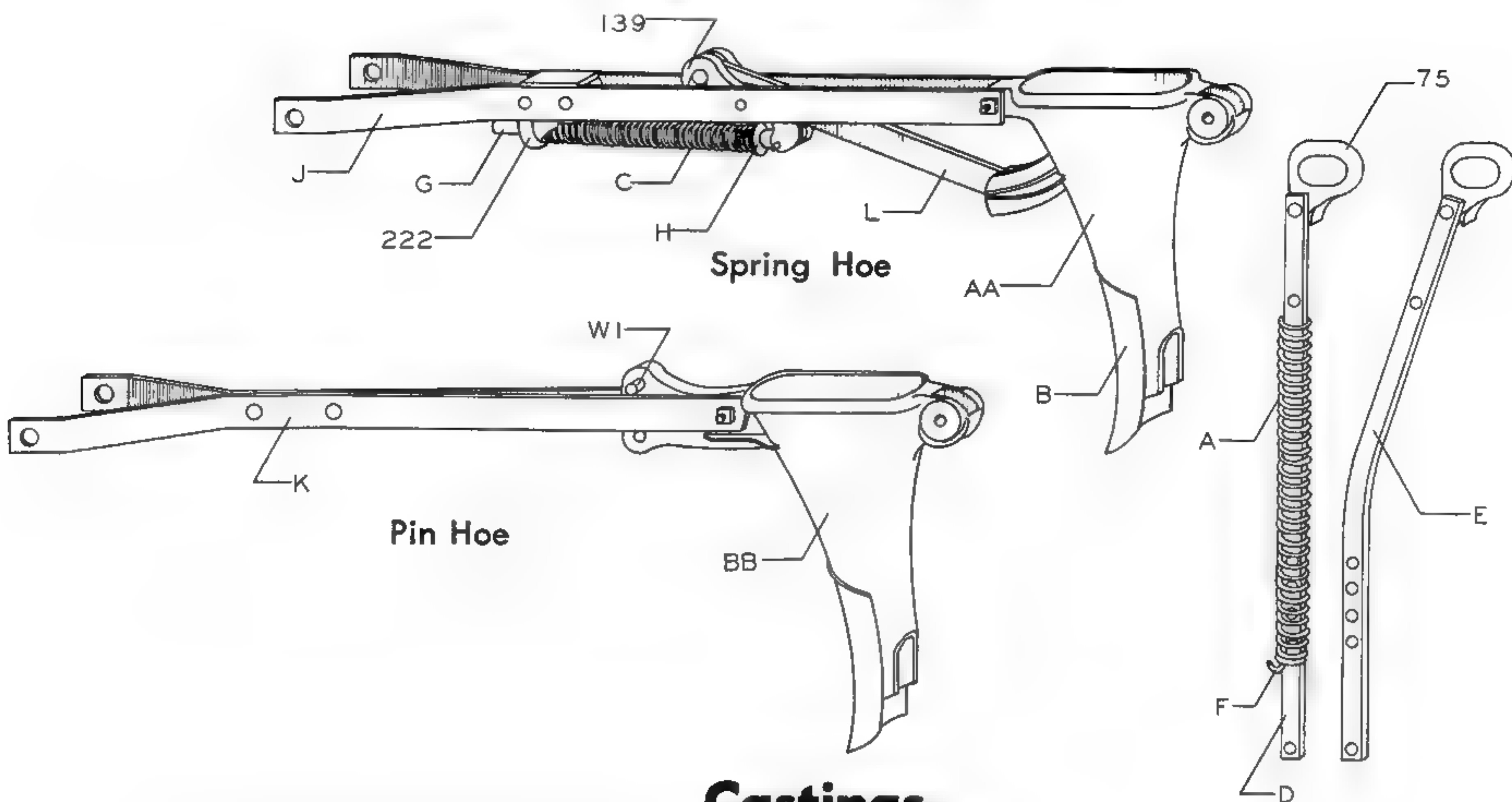
Castings

494	Hub for Double Disc (2 on each Double Disc) 1 for each Double Disc Blade.	1907
495	Spindle for Double Disc (no number), (two on each Double Disc) 1 for each Double Disc Blade.	1907
499	Cast Boot for Double Disc.	1907
537	Washer for Double Disc Spindle 495 (2 on each Double Disc) 1 for each Double Disc Blade.	1907
540	Clamp for Scrapers, Right, Double Disc.	1907
541	Clamp for Scrapers, Left, Double Disc.	1907

Steel Parts

Z	Scraper, Left 1 for each Double Disc Blade.
A1	Scraper, Right One for each Double Disc Blade.
B1	Double Disc, 12 inch Diameter, Right.
C1	Double Disc, 13 inch Diameter, Left.
D1	Drawbar, Double Disc.

HOE ASSEMBLIES



Castings

75	Handle for Hoe Press Rod	1942
90	Handle for Hoe Press Rod, 1904 to 1942.	
139	Locking Stud, Malleable, in Spring Leader.....	1901
222	Guide Block in Spring Leader.	1901
AA	Hoe, Spring Pressure.	
440	Hoe, Spring Pressure.	1904
440B	Same as 440 except is equipped with Bracket for follow wheels.	
400	Hoe, Back Roller, Chain Lift, 1904 to 1949.	
500	Hoe, Back Roller, Chain Lift, 1906 to 1930.	
	Hoe 440 will be supplied in place of 400 or 500.	
BB	Hoe, Pin Pressure	
441	Hoe, Pin Pressure.	1904
441B	Same as 441 except is equipped with Bracket for follow wheels.	
401	Hoe, Back Roller, Chain Lift, 1904 to 1949.	
	Hoe 441 will be supplied in place of 401.	

NOTE: For Adjustable Spacers for sowing row crops, see Hoe & Follow Wheels, page 38.

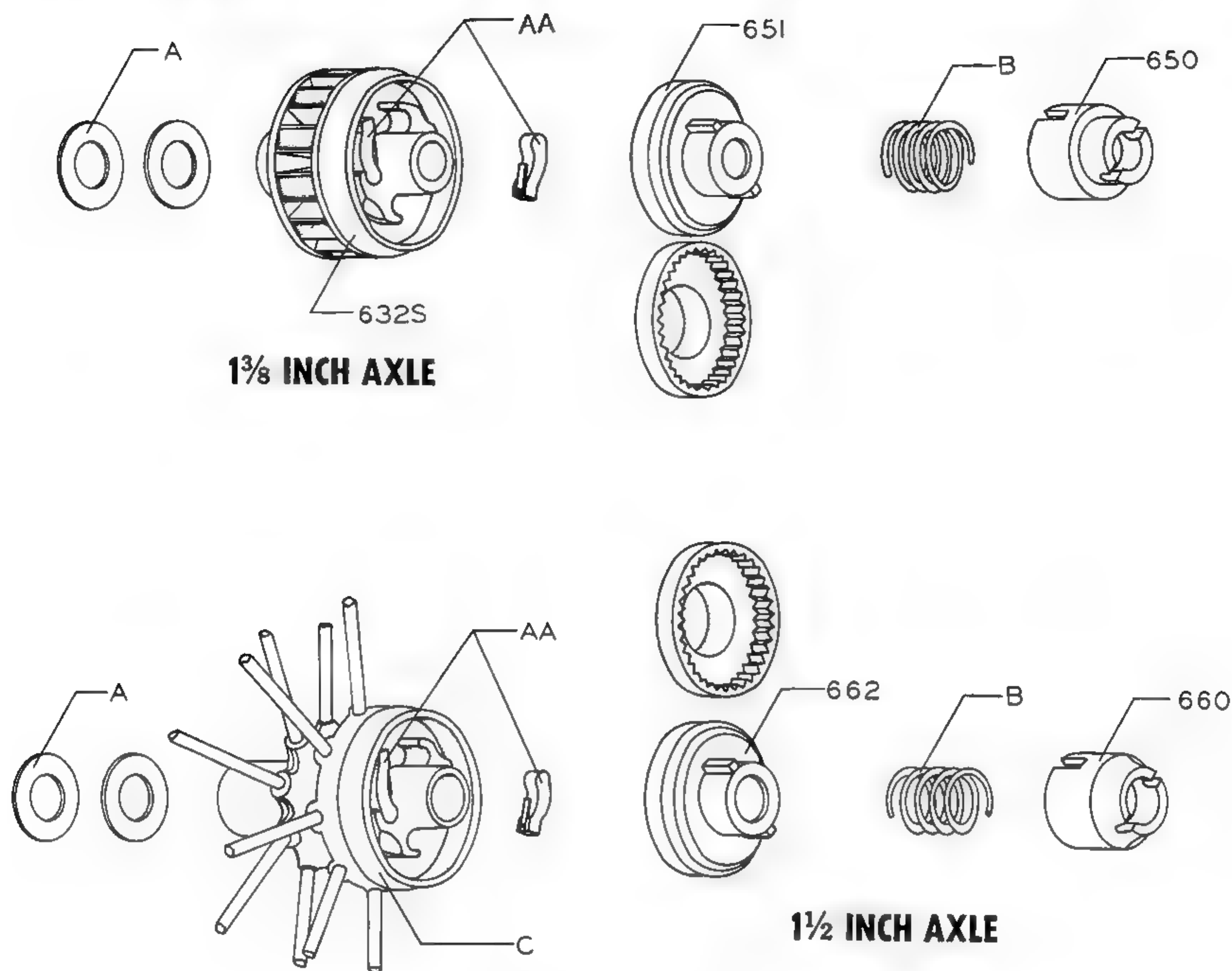
Steel Parts

A	Spring, Press Rod.
B	Reversible Hoe Points.
C	Spring for Hoe Plunger.
D	Hoe Press Rod, Straight.
E	Hoe Press Rod, Bent.
F	Wire Worm for bottom of Press Rod Spring.
G	Plunger for Spring Leader.
H	Washer for Spring Leader Plunger.
J	Spring Leader Side.
K	Pin Leader Side.
L	Pitch Strap.

Wood Parts

W1	Pin for Pin Hoe, Press.
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WHEELS and WHEEL HUB ASSEMBLIES



Castings

- 632S Hub for Wood Wheel, 1 3/8 inch Axle 1933
 Replaces: 632 — 1914 to 1934.
 610 — 1911 to 1914.
 496 — 1906 to 1911.
 223 — 1901 to 1906.
- 650 Hub Cap (two piece Cap), 1 3/8 inch Axle. 1914
- 651 Ratchet Plate (two piece Cap), 1 3/8 inch Axle. 1914
 650 Complete, two piece Cap, replaces following one piece Caps:
 609 — 1912 to 1914.
 599 — 1910 to 1912.
 224 — 1901 to 1910.
 For 650A see Light Steel Wheel.
- 660 Hub Cap (two piece Cap), 1 1/2 inch Axle. 1914

WHEELS and WHEEL HUB ASSEMBLIES

Castings (continued)

662	Rachet Plate (two piece Cap), 1½ inch Axle	1914
	660 Complete, two piece Cap, replaces one piece Cap number 344—1903 to 1915.	
AA	Hub Pawls (Right Wheel only, shown. For Left Wheel see below).	
40R	Hub Pawl, Right Wheel.	1945
	80R (1912 to 1945) replaced by 40R.	
41L	Hub Pawl, Left Wheel.	1945
	81L (1912 to 1945) replaced by 41L.	
	Universal Pawls, Right or Left, Repairs	
615	Right or Left.	1914
	608 — (1912 to 1914), order 615.	
	226 — (1901 to 1912), order 615.	

Steel Parts

- A Large Axle Washers, either 1½ or 1⅜ inch Axle.
- B Spring for Hub Cap 650 or 660.
- C Hub Section of Steel Wheel, for Specifications see below:
 - Heavy Steel Wheel, 48 inch Diameter x 4 inch Tire,
7 inch Hub width for 1½ inch Axle.
 - Heavy Steel Wheel, with Rim for 6.50/36 Rubber Tire,
7 inch Hub width for 1½ inch Axle.
 - Light Steel Wheel, 48 inch Diameter x 3½ inch Tire,
6 inch Hub width for 1⅜ inch Axle.
 - Light Steel Wheel with Rim for 5.00/36 Rubber Tire,
6 inch Hub width for 1⅜ inch Axle.

NOTE: Light Steel Wheels listed above take Hub Cap 650A Complete (650, 651 and Spring B) and with this Hub Cap will replace 1⅜ inch Axle Wood Wheels.

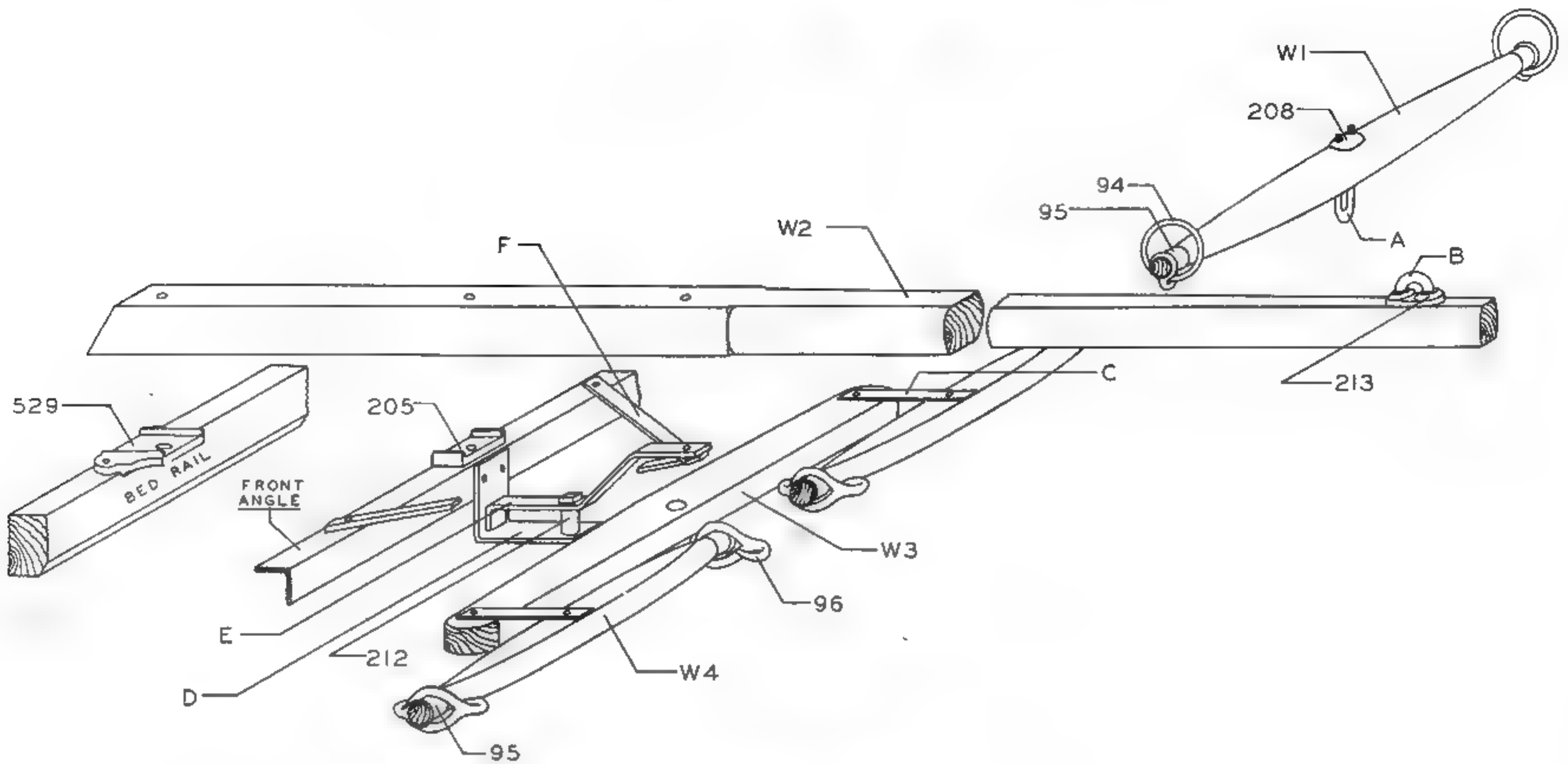
Wood Wheel Parts (not shown)

Wood Wheel, 1⅜ inch Axle, 48 inch x 3 inch tire.

Half Rim for Wood Wheel, 48 inch x 3 inch.

Spoke for Wood Wheel.

HORSE HITCHES



Castings

94	Ring for Neck Yoke, Steel (nn).....	1901
95	Ferrule for Ring number 94 or Hook number 96.....	1901
96	Hook for Singletree, Malleable.....	1901
205	Pole Block on Frame Front.....	1901
208	Cast Clip on Neck Yoke.....	1901
212	Spool for Evener.....	1901
213	Plate for Pole Hook.....	1901
529	Pole Seat on Bed Rail.....	1909
	Replaces 206 — 1901 to 1907.	
	Replaces 520 — 1907 to 1945.	

Steel Parts

A	U Bolt for Neck Yoke.	
B	Hook Bolt for Pole.	
C	Two Horse Evener Straps.....	1901
D	Bottom Piece for 1930 Evener Clevis.	1930
E	Top Piece for 1930 Evener Clevis.	1930
	NOTE: Evener Clevis Numbers 207 (1901 to 1930), 276 (1902 to 1906), 299 (1902 to 1906), and 446 (1904 to 1906) are replaced by 1930 Evener Clevis.	
F	Pole Braces.	

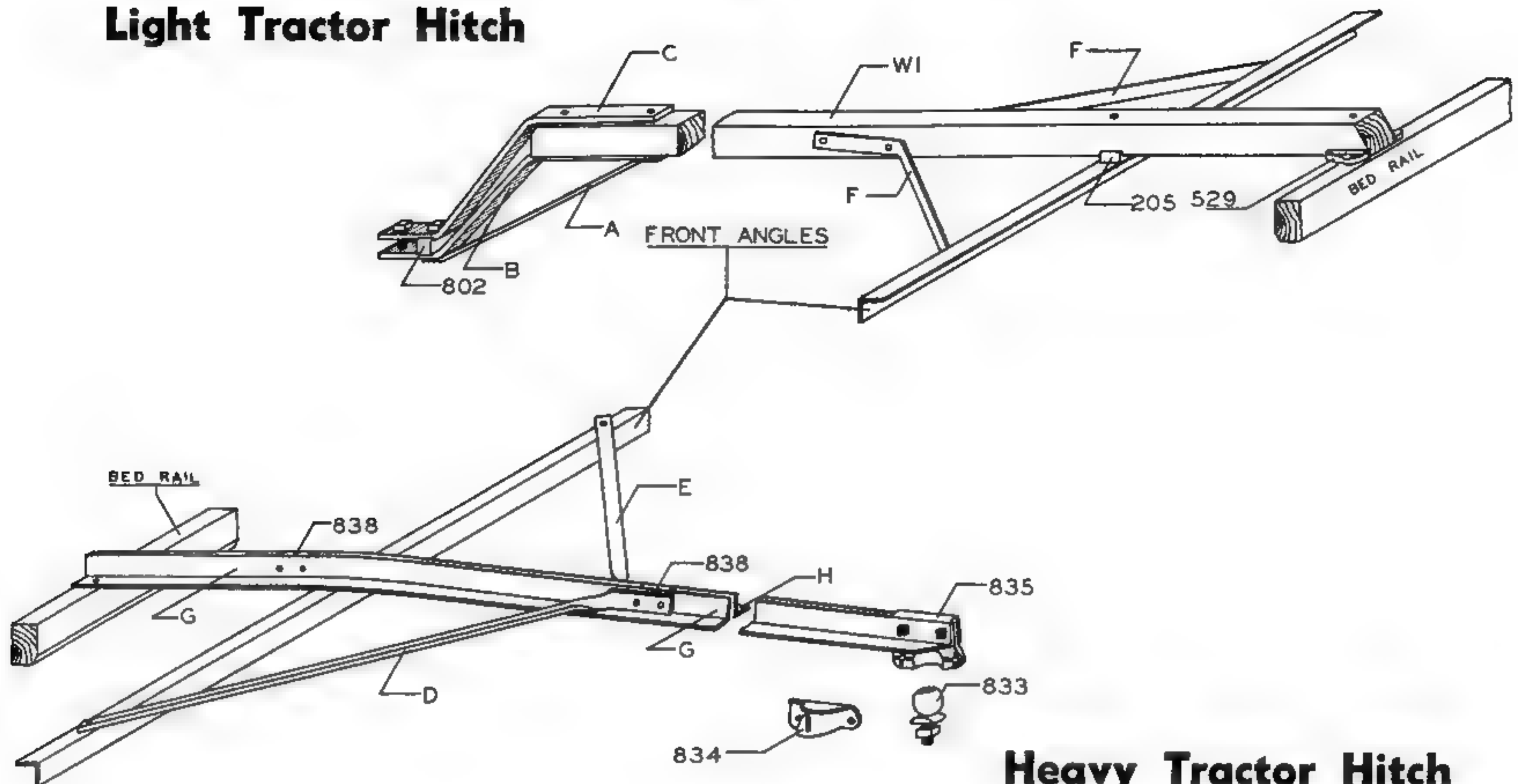
Wood Parts

W1	Neck Yoke.....	1901
W2	Pole.....	1901
W3	Two Horse Evener Bar.....	1901
W4	Single Tree.....	1901

NOTE: Three-Horse and Four-Horse Hitches are not shown but parts or complete hitches for these are available on order.

TRACTOR HITCHES

Light Tractor Hitch



Heavy Tractor Hitch

Castings

205	Pole Block on Frame Front, Light Tractor Hitch.....	1901
529	Pole Seat on Bed Rail, Light Tractor Hitch.....	1909
802	Spacer for Clevis, Light Tractor Hitch.	1941
833	Ball for Ball and Socket, Heavy Tractor Hitch. (nn)	1944
834	Cap for 835 Socket, Heavy Tractor Hitch.	1944
835	Socket for Ball and Socket, Heavy Tractor Hitch.	1944
838	Spacer for Angles, Heavy Tractor Hitch.....	1944

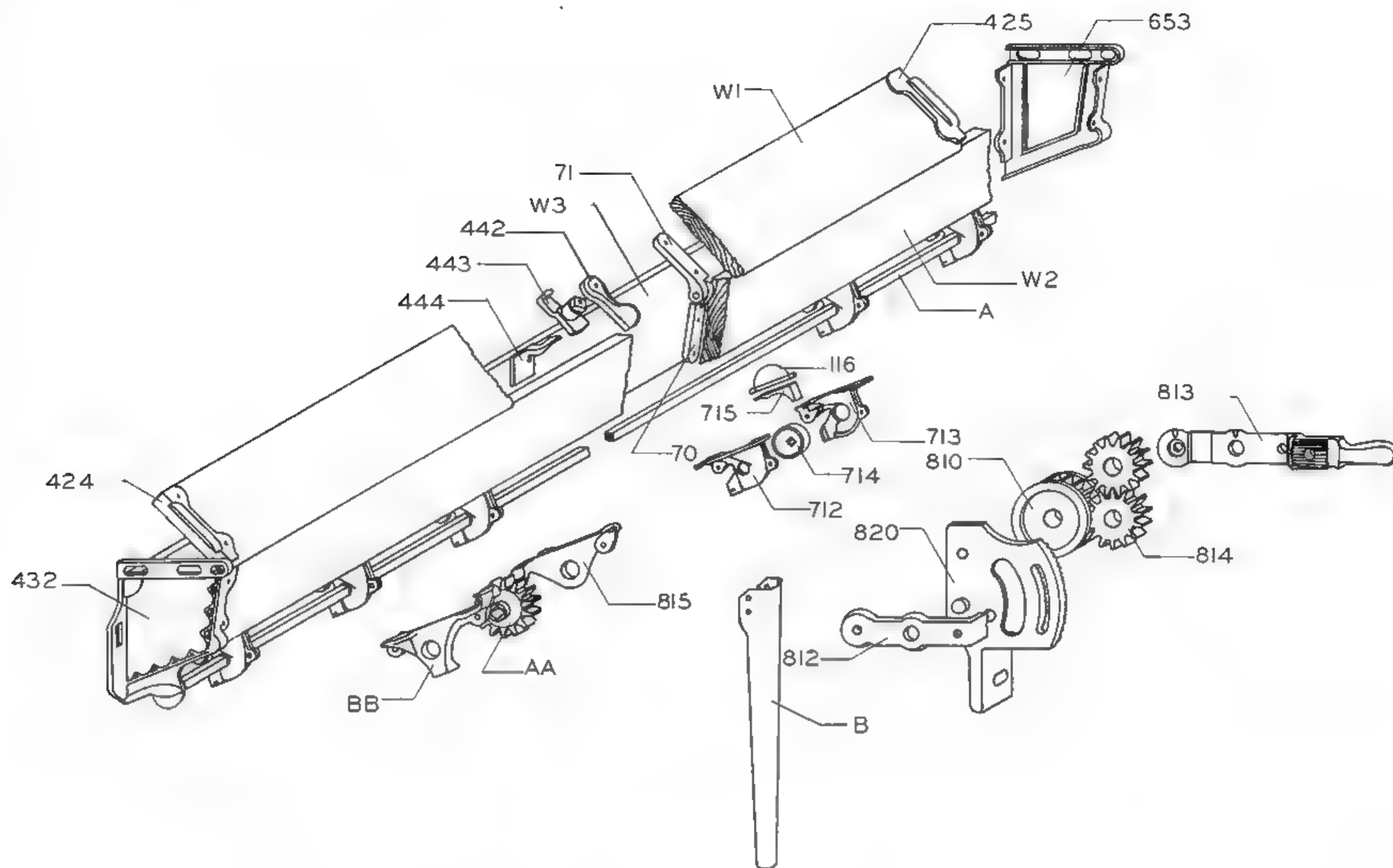
Steel Parts

A	Brace for Clevis, Light Tractor Hitch.
B	Bottom Clevis Iron, Light Tractor Hitch.
C	Top Clevis Iron, Light Tractor Hitch.
D	Brace, Right, Heavy Tractor Hitch.
E	Brace, Left, Heavy Tractor Hitch.
F	Side Brace, Light Tractor Hitch.
G	Right Side Angle, Main Member, Heavy Tractor Hitch.
H	Left Side Angle, Main Member, Heavy Tractor Hitch.

Wood Parts

W1	Pole, Light Tractor Hitch.
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GRASS SEEDER and Associated Parts



Castings

70	Center Lid Hinge on Grass Seeder Hopper Front (nn).....	1939
	Sizes 11 x 8, 12 x 7, and larger.	
71	Center Lid Hinge on Grass Seeder Lid (nn)	1939
	Sizes 11 x 8, 12 x 7, and Larger.	
116	Opening Selector Plate for Grass Seeder Distributer (nn).	
424	Lid Hinge, Right, for Grass Seeder Lid	1904
425	Lid Hinge, Left, for Grass Seeder Lid	1904
432	End Plate, Right, for Grass Seeder Hopper.....	1904
442	Finger Piece, Grass Seeder Lid Catch.	1904
443	Cam Catch, Grass Seeder Lid Latch.	1904
444	Hook Catch, Grass Seeder Lid Latch.....	1904
653	End Plate, Left, for Grass Seeder Hopper	1915
712	Side for Grass Seeder Distributer 712 Complete, Right	1929
112	Side for Grass Seeder Distributer 112 Complete, Right, 1901 to 1929.	
713	Side for Grass Seeder Distributer 712 Complete, Left.....	1929
113	Side for Grass Seeder Distributer 112 Complete, Left, 1901 to 1929.	

GRASS SEEDER and Associated Parts

Castings (continued)

714	Wheel for Grass Seeder Distributer 712 Complete...	1929
114	Wheel for Grass Seeder Distributer 112 Complete, 1901 to 1929.	
715	Bridge for Grass Seeder Distributer 712 Complete.....	1929
115	Bridge for Grass Seeder Distributer 112 Complete, 1901 to 1929.	
810	Flange Gear, 18 cogs, Grass Seeder Gear Stand, 820 Complete	1940
426	Gear, 16 cog, Grass Seeder Gear Stand, 468 Complete, 1905 to 1940.	
812	Side for Grass Seeder Yoke, Right, Grass Seeder Gear Stand 820 Complete	1940
430	Side for Grass Seeder Yoke, Right, Grass Seeder Gear Stand, 468 Complete, 1905 to 1940.	
434	Thumb Latch with Spring Gear Stand 468 Complete, 1905 to 1940.	
813	Side for Grass Seeder Yoke, Left, Grass Seeder Gear Stand 820 Complete	1940
431	Side for Grass Seeder Yoke, Left, Grass Seeder Gear Stand, 468 Complete, 1905 to 1940.	
814	Idler Gear, 14 cogs, Grass Seeder Gear Stand, 820 Complete.....	1940
427	Idler Gear, 14 cogs, Grass Seeder Gear Stand, 468 Complete, 1905 to 1940.	
815	Gear Casing, Left, for Grass Seeder Yoke, 7 or 8 inches	1940
429	Gear Casing, Left, for Grass Seeder Yoke, 7 or 8 inches, 1905 to 1940.	
820	Gear Stand for Grass Seeder.....	1940
468	Gear Stand For Grass Seeder, 1905 to 1940.	
AA	Shaft Gear for Grass Seeder.	
417	Shaft Gear, 7 inch Drills	1905
418	Shaft Gear, 8 inch Drills	1905
BB	Gear Casing, Right, for Grass Seeder.	
817	Gear Casing, Right, for Grass Seeder Yoke, 7 inch,...	1940
818	Gear Casing, Right, for Grass Seeder Yoke, 8 inch,.....	1940
428	Gear Casing, Right or Left, 1905 to 1940.	

Steel Parts

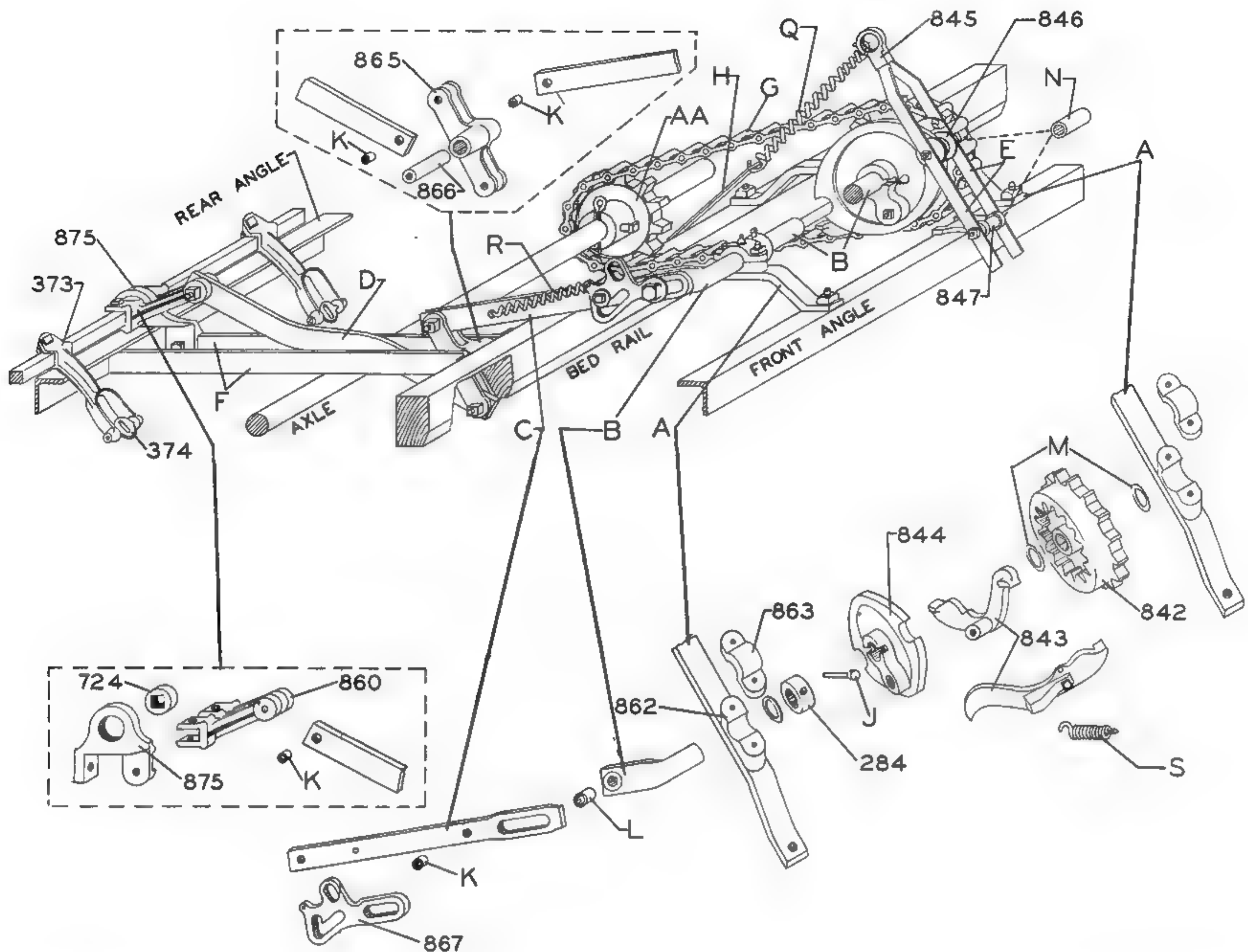
- A Grass Seeder Shaft, (give size of Drill).
- B Grass Seeder Spout.

Wood Parts

- W1 Grass Seeder Lid, (give size of Drill).
- W2 Grass Seeder Front Board, (give size of Drill).
- W3 Grass Seeder Back Board, (give size of Drill).

POWER LIFT

1948 Model Shown



1948 Model

1938 Model
(1938 to 1948)

Castings

284	Collar with Set-Screw for Power Lift Countershaft	284
373	Lifter Arm, Malleable	373
374	Cap for Spring in Lifter Arm 373.....	374
724	Spool for 875 and Lifting Shaft.....	724
..	Spool for 723 and Lifting Shaft.....	724
842	Drum for Power Lift with Sprocket.....	778
.....	Pawl inside Driving Drum.....	779
843	Throw out Lever.....	781
844	Timing Plate	780
845	Handle for Trip Lever.....	784
..	Trip Lever.....	784
...	Dog for Trip Lever Assembly.....	786
846	Trip Roller in Lever, (no number)	785
847	Bracket for Trip Lever	785

POWER LIFT

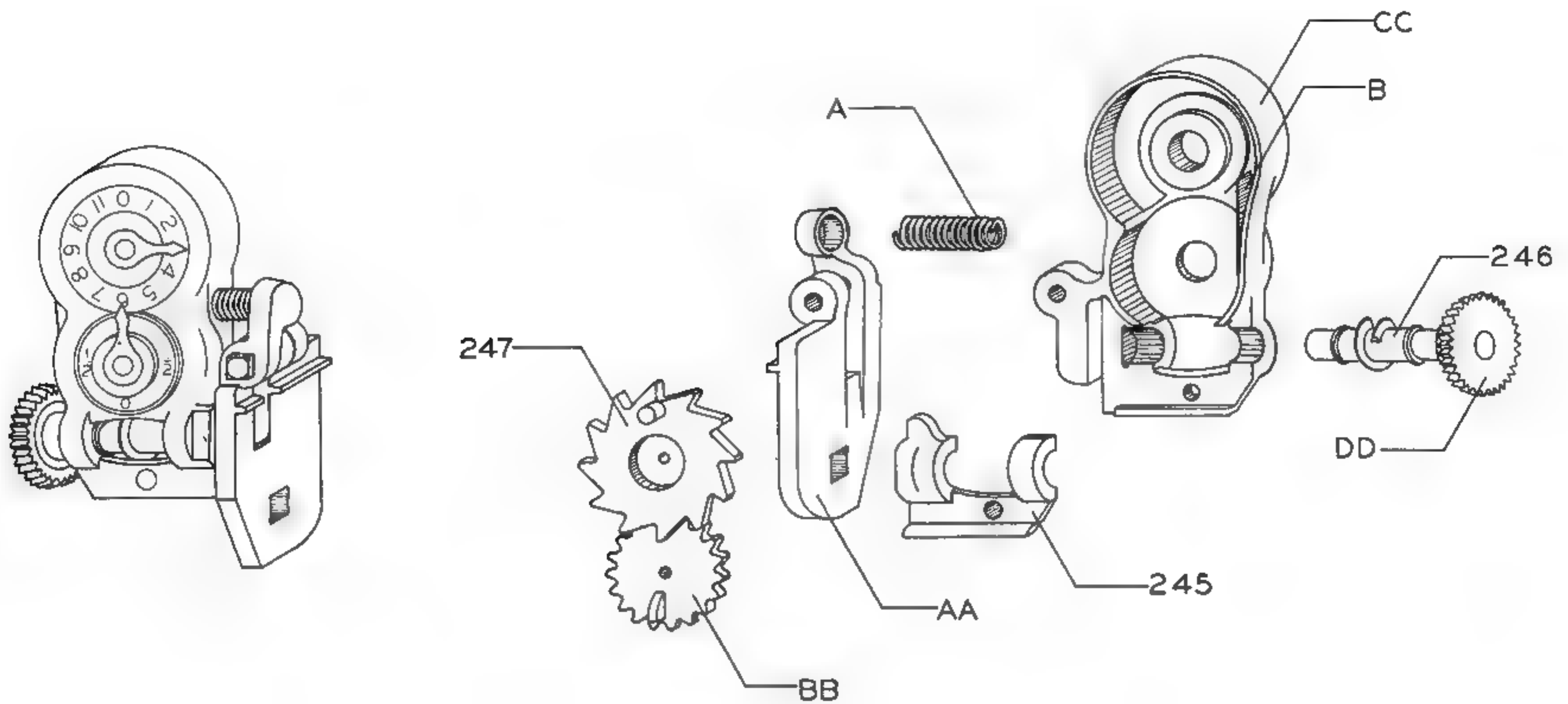
Castings (continued)

1948 Model	1938 Model (1938 to 1948)
860 Wrist on Lifting Shaft (Malleable).....	
860A Wrist on Lifting Shaft (cast).....	840
(used on early 1948 Model Power Lift only). Wrist 787 used on early 1938 Power Lift is replaced by Wrist 840 which is the same except the hub is on the opposite side.	
862 Countershaft Bearing.....	782
863 Cap for 862 Countershaft Bearing	783
865 Link for Power Lift Lever, middle.	
Connecting Lever Support on Main Axle, 1½ inch.....	790
..... Collar holding 790, 1½ inch Axle	789
..... Connecting Lever Support on Main Axle, 1¾ inch Axle	790A
.. Collar holding 790A, 1¾ inch Axle.....	284
866 Cast Spool for 865 Link	
867 Pressure Adjustment Casting on Power Lift	791
875 Rear Bearing on Lifting Shaft, Power Lift Drills.....	723
AA Main Axle Sprocket.	
776 Main Axle Sprocket, 1½ inch Axle, 12 Teeth for Power Lift Chain	776
776A Main Axle Sprocket, 1¾ inch Axle, 12 Teeth for Power Lift Chain ...	776A

Steel Parts

A	Power Lift Brackets, Front	Same
B	Counter shaft with Crank Arm	Same
	(give Size and Age of Drill)	
C	Power Lift Front Lever, connecting (specify 1938 or 1948 Model)	
D	Power Lift Rear Lever, connecting (specify 1938 or 1948 Model)	
E	Steel Sides for Trip Lever	
F	Rear Braces for Power Lift, between bed rail and rear angle	
G	Chain, number 62 Steel Chain, 42 links	Same
H	Strap for Extension Spring Q	
J	Pin for Power Lift Countershaft (specify 1938 or 1948 Model)	
K	½ inch Bushings for 860, 865 and 867.....	
L	⅝ inch Bushing for Front Lever (specify 1938 or 1948 Model)	
M	Washers for Power Lift Countershaft.....	Same
	Order Small Axle Washers for these.	
N	¾ inch Bushings for 846 and 847	
Q	Extension Spring for 845	
R	Extension Spring for 867	
S	Extension Spring for 843	
.....	Extension Spring for 781 (Used on 1938 Model only)	
.....	Compress Spring for 779 (Used on 1938 Model only)	

LAND MEASURE



Castings

245	Cap for Worm in Land Measure.....	1901
246	Worm for Land Measure (nn).....	1901
247	Dial Gear for Land Measure.....	1901
AA	Standard for Land Measure, (give size of Drill or Sower).	
BB	Trip Gear for Land Measure, (give size of Drill or Sower).	
CC	Shell for Land Measure, (give size of Drill or Sower).	
DD	Worm Gear for Land Measure, (give size of Drill or Sower).	

Steel Parts

A	Coil Spring for Land Measure.
B	Flat Spring for Land Measure.

PLAIN DRILL

not illustrated

284	Main Axle Collar, 1 $\frac{3}{8}$ inch Axle, Plain Drill.	1901
287	Opening Selector Plate for Grain Distributer, Plain Drill.	1901
288	Pawl for Back Roller, Plain Drill.	1901
290	End Plate, Right, Plain Drill.	1901
291	End Plate, Left, Plain Drill.	1901
292	Lid Hinge, Right, Plain Drill.	1901
293	Lid Hinge, Left, Plain Drill.	1901
347	Bracket, for Shifter Cam, Back Roller, Plain Drill.	1903
348	Shifter Cam for Back Roller, Plain Drill.	1903
475	Grain Lid Support, Plain Drill.	1905
789	Main Axle Collar, 1 $\frac{1}{2}$ inch Axle, Plain Drill.	1938

Rear Board, Plain Drill, give size of Drill and End Plate number, See Page 13.

Front Board, Plain Drill, give size of Drill and End Plate number, See Page 13.

Top Strip, Front or Rear, Plain Drill, give size of Drill and End Plate number.

End Hopper Block, Right, Plain Drill, give size of Drill, See Page 13.

End Hopper Block, Left, Plain Drill, give size of Drill, See Page 13.

Hopper Block, Plain Drill, give size of Drill, See Page 13.

MODEL 36 FERTILIZER SOWER PARTS

since 1935
(not illustrated)

FRAME

Castings

Quantity Gears: Casting number indicates number of cogs.

Regular equipment, 14A, 19A, 22A, 24A, 26A, 28A.	1901
83 Hub Sand Shield, Right or Left.	1912
156 Bridge for Bed Truss Rod, Center.	1902
169 Axle Gear, 22 cogs.	1901
205 Pole Block on Frame Front.	1901
243 Cast two-hole Washer.	1901
284 Collar with Set-Screw, Right end of Axle.	1901
364 Sleeve with Set-Screw for Clutch.	1903
469 Complete Roller Bearing, 1 $\frac{3}{8}$ inch.	1905
594 Support for Countershaft.	1909
635 Clutches, for Fertilizer Sower (two used).	1913
748 Center Support for Axle.	1936
749 Cap for 748.	1936
759 Idler Gear, 23 cogs, in Axle Box 761.	1936
760 Axle Box, 1 $\frac{3}{8}$ inch, Right, for Fertilizer Sower.	1936
761 Axle Box, 1 $\frac{3}{8}$ inch, Left, for Fertilizer Sower.	1936
764 Countershaft Gear, 26 cogs.	1936

Steel Parts

Front Angle, Give size of Sower.

Rear Angle, Give size of Sower.

Side Angle, Right.

Side Angle, Left.

Center Angle Brace (Specify, Right or Left).

Countershaft with Worm, 19 $\frac{1}{2}$ inches.

Main Axle, 1 $\frac{3}{8}$ inch, Give size of Sower.

Bed Truss, 5/16 or 7/16 inch, Give size of Sower.

Corner Irons for Frame.

Wood Parts

Bed Rail, Give size of Sower.

MODEL 36 FERTILIZER SOWER PARTS, (continued)

BODY Castings

99	Button for Back Plate.....	1901
110	Bevel Gear with Stem, 25 cogs.....	1901
111	Bevel Gear with feathered hole, 12 cogs. Meshes with 110.	1901
463	Fertilizer Shaft Gear, 54 cogs.	1904
551	Fertilizer Cut-off.....	1908
556	Fertilizer Feeder, 500 lb. Base.....	1908
572	Fertilizer Feeder, 300 lb. Base.....	1908
589	Fertilizer Feeder, 150 lb. Base.....	1909
716	Fertilizer Feeder, 50 lb. Base.....	1928
623	Tie Plate, Bottom Boards to Top Sides....	1913
625	Top for End Plate, Right or Left.....	1913
628	End Plate, Right or Left.....	1913
719	Cast Washer for Wheel.....	1936
753	Side for Cover for 463, Right.....	1936
754	Side for Cover for 463, Left.....	1936
755	Back Plate.....	1936
756	Back Plate, Special for Left End.....	1936
758	Bottom Plate.....	1936
762	Side of Feed Spout, Right, (on 758).....	1936
763	Side of Feed Spout, Left, (on 758).....	1936

Steel Parts

Fertilizer Shaft, ¾ inch round, key seated, give size of Sower.
Body Truss.
Support for Body Truss.

Wood Parts

Front Board, Bottom, give size of Sower.
Rear Board, Bottom, give size of Sower.
Top Side Board, Front or Rear, give size of Sower.
Folding Lid, Complete, give size of Sower.

YOKE

725	Standard for Yokes.	1931
740	Side for Fertilizer Yoke, Right.....	1931
741	Side for Fertilizer Yoke, Left.....	1931
742	Idler Gear, 23 Cogs.....	1931
744	Double Change Gear, 14 and 22 cogs.....	1931
745	Gear Hanger, Right.....	1936
746	Gear Hanger, Left.....	1936
Latch on Side 740.		
Pin for 744, with Alemite.		

MODEL 36 FERTILIZER SOWER PARTS, (continued)

SHIFTERS

for Tractor Sowers

- 648 Stud Plate for 649 Shifter Strap, Malleable. See Page 9.
649 Shifter Wedge, Outside, Malleable. See Page 9.
836 Bracket on Bed Rail for Tractor Hitch Shifter Lever. 1948
546B Bracket on Bed Rail for Tractor Hitch Shifter Lever, 1940 to 1949.
841 Shifter Wedge, inside. See Page 9.
841 replaces 435 and Strap.
Strap for 648 and 649. See Page 9.
Lever for Tractor Hitch Shifter.

For Horse Drawn Sowers

- 289 Bracket for Shifter Cam.....1901
542 Cast Rub Plate for Sower Pole.1912
649 Shifter Wedge, outside. See Page 9.
757 Shifter Handle.....1936
841 Shifter Wedge, inside. See Page 9.
841 replaces 435 and Strap.
Strap for 649.

CONDUCTORS

- 105 Cast Top.
Rubber Conductor Tube, 14 inches.
Metal Spreader for Bottom of Tube.

WHEELS

- Steel Wheel, 32 inch diameter x 5 inch tire.
Steel Wheel, with Rim for 5.00 x 21 Rubber Tire.

HITCHES

- Horse Hitch. See Page 25.
Tractor Hitch
205 Pole Block.
529 Pole Seat.
Wood Pole.
Top Clevis Iron.
Bottom Clevis Iron.
Side Braces to Frame Front.

LAND MEASURE

(See Page 31.)

MODEL B FERTILIZER SOWER, 1912 to 1936

Parts not used on Model 36 Sower

FRAME

- 170 See Gear 702, Page 7.
- 171 See Gear 703, Page 7.
- 470 See Gear Box 700, Page 7.
- 471 Axle Box, Left (on Model B Sower there is no substitution for this).

BODY

- 548 Bottom Plate, Fertilizer Sower, 1908 to 1936.
- 552 Side of Feed Spout, rear, Fertilizer Sower, 1908 to 1936.
- 553 Side of Feed Spout, front, Fertilizer Sower, 1908 to 1936.
- 592 Back Plate, 1909 to 1936.
- 593 Back Plate, Special, 1909 to 1936.
- 629 Top for End Plate, 1918 to 1936.
- 664 Side of Shield in Fertilizer Box, Right, 1914 to 1936.
- 665 Side of Shield in Fertilizer Box, Left, 1914 to 1936.
 - 554 Side of Shield, Right, 1908 to 1914.
 - 555 Side of Shield, Left, 1908 to 1914.
- 554 and 555 are replaced by 664 and 665.

YOKES FOR MODEL B 1912 to 1931

See Drill Yokes for Descriptions.

- 178 Clevis
 - Pin for Clevis 178.
- 454 and Spring.
- 455
- 456, 622
- 460
- 461
- 549 Idler Gear, 1908 to 1931.
 - Pin for 549.
- 642 Gear Hanger, Right, 1915 to 1931.
- 643 Gear Hanger, Left, 1915 to 1931.
 - 562 Gear Hanger, Right, 1908 to 1915.
 - 563 Gear Hanger, Left, 1908 to 1915.
- 562 and 563 are replaced by 642 and 643.

1931

Same as Model 36 Fertilizer Sower Yoke 740 Complete.

SHIFTERS

- 644 Bracket for Shifter Lever, 1914 to 1936.
- 645 Shifter Stud Plate, Malleable, 1914 to 1936.
- Strap for 645, 649.
- Strap for 435.
- Shifter Handle.

CONDUCTORS

- 560 Half Top for Conductors, rear, 1908 to 1936.
- 561 Half Top for Conductors, front, 1908 to 1936.
- Metal Spout.

WHEELS

Wood Wheel, 42 inch diameter x 3 inch tire with 632 Hub.
Parts not listed available on order.

LAND MEASURE

(See Page 31).

LIME SOWER, style G or H

1912 to 1945

Partial List of Parts Most Used:

- 504 Wing Feeder with Set-Screw for Axle, 1907.
- 507 Axle Bushing, through End Plate and Axle Box, 1907.
- 624 End Plate, Right or Left, 1913.
- 626 Axle Box, Right, 1913
526S Previous to 1914.
- 627 Axle Box, Left, 1913
526S Previous to 1914.
- 630 Index Plate, 1913.
- 631 Clamp for Bottom of Sower, 1913.
- 657 Center Box, 1913.
- 658 Cap for 657, 1913.
- 710 Bottom Plate, 6 inch, Since 1931
613 Bottom Plate, 6 inch, 1913 to 1932.
585 Bottom Plate, 6 inch, Previous to 1913.

Bottom Board, give size of Sower.

Steel Slide, give size of Sower.

We recommend complete assembly of Bottom Board with Plates and Slide.

For Style H only

- 435, 654 and Straps, Shifter Wedges.
- 668 Wrist for Shifter Strap, Right, 1917.
- 670 Clutch, Right, 1917.
- 671 Clutch, Left, 1917.
- 672 Hub Cap, inside Ratchet, 1917.
- 673 Sleeve for 672 Hub Cap, 1917.
- 674 Drive Collar on Axles, 1917.
- 675 Shifter Levers, 1917.
- 676 Bracket for 675, 1917.
- 677 Wrist for Shifter Strap, Left, 1917.
- 678 Plate for Shifter Strap, Right or Left, 1917.

Wheels

Steel Wheel, 32 inch diameter x 5 inch tire, to 1945.

Wood Wheel, 42 inch diameter x 3 inch tire, style G, 632 Hub.

Wood Wheel, 42 inch diameter x 3 inch tire, style H, 679 Hub.

Axle — Give exact length and wheel description. Older parts available but not listed.

Boards supplied only on special order.

ATTACHMENTS

AUTOMATIC MARKER

708	Marker Disc, cast.	1931
709	Cast Washer for Marker (nn)	1931
796	Collar with Set Screw for Automatic Marker.....	1939
816	Universal Joint, Automatic Marker (nn)	1943
	Upright Hanger.	
	Brace (hanger to Rear Angle).	
	Brace (hanger to End Plate).	
	Steel ¾ inch Pipe (give Drill size).	
	Steel Rod (supporting Disc), ¾ inch round (give Drill size).	
	Chain (with Hooks).	
	Chain Hanger (supporting Chain).	
	Chain Hanger Support (on Side Angle).	
	Pulley.	
	Link Supporting Pulley.	
	Cotter for Disc Collar.	
	S Hook, Large.	
	S Hook, Small.	

HOE AND FOLLOW WHEELS

FOR SOWING ROW CROPS

488	Wedge for Beet or Bean Hoe.	1906
489	Point for Beet or Bean Hoe.	1906
490	Beet or Bean Hoe with Point... ..	1906
	490 with follow wheels Complete.	
533	Washer for 536.....	1907
534	Yoke for Follow Wheel, Right.....	1907
535	Yoke for Follow Wheel, Left.....	1907
536	Follow Wheel.	1907
839	Clamp Side for Adjustable Spacer (nn).	1947
	Spacer Rod, for adjustable Spacers.	

ATTACHMENTS

OATS AGITATOR ROD

82	Collar with Set-screw, on Oat-rod.	
238	Casing, Right, for Oat Rod, 8 inch Fertilizer Drill.	
239	Casing, Left, for Oat Rod, 8 inch Fertilizer, Drill.	
294	Drive Gear for Oat Rod, 29 cogs.	
295	Case Gear for Oat Rod, 25 cogs.	
296	Casing, Right, for Oat Rod, 7 inch Fertilizer Drill.....	1902
297	Casing, Left, for Oat Rod, 7 inch Fertilizer Drill.....	1902
501	Coupler for Oat Rod.....	1906
601	Casing, Left, for Oat Rod, 7 inch, plain Drill.	1910
602	Casing, Right, for Oat Rod, 7 inch, plain Drill.	1910
637	Support for Oat Rod, 7 inch.....	1914
638	Support for Oat Rod, 8 inch.....	1914
669	Collar on Oat Rod (nn).....	1916
682	Casing, Right, for Oat Rod, 8 inch, plain Drill.....	1918
683	Casing, Left, for Oat Rod, 8 inch, plain Drill.	1918
Driving Rod, 5/8 inch round, give size of Drill.		
Flat Agitating Spring.		

ATTACHMENT FOR SOWING LARGE QUANTITIES OF FERTILIZER OR ASHES

322	Back Plate, for Ashes, 7 inch.....	1902
323	Back Plate, for Ashes, 7 inch.....	1902
324	Back Plate, for Ashes, 8 inch.....	1902
325	Back Plate, for Ashes, 8 inch.....	1902
326	Feeder for Ashes (300 lb. Base).	1902

NOTE: It is always necessary to use one of the above Special Back Plates with Feeder No. 326.

FRONT HAND LIFT FOR BACK ROLLER DRILLS

76	Cable Clamp for 825.	1946
310	Handle for Lever, 1½ inch slot.....	1902
821	Small Pulley Wheel.....	1946
822	Support for 821.	1946
823	Hanger for Lever.....	1946
824	Guide for Lever.	1946
825	Large Sheave.	1946

Lever for Lifting Handle.

Cable (approximately 8 feet of 3/16 inch Cable).

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